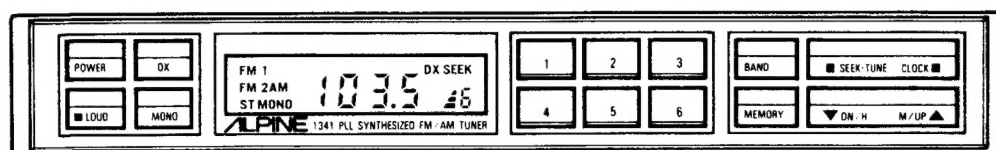


ALPINE SERVICE MANUAL

Digital Tuner



1341/1341E/
1341M

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Specifications

FM RADIO

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.9~107.9MHz (1341) 87.5~108MHz (1341E/1341M)
Usable Sensitivity (Stereo at 98.1MHz)	19.2dBf (1341E/1341M) 23.2dBf (1341)
50dB S/N Quieting Sensitivity (Mono. 98.1MHz)	11.2dBf (1341)
Limiting Sensitivity (at 98.1MHz)	14.2dBf (1341E/1341M)
S/N Ratio (Stereo)	56dB (1341) 48dB (1341E/1341M)
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 1mV at 98.1MHz)	1%
Frequency Response (98.1MHz at Ref. 400Hz)	80Hz 0±3dB (1341) 100Hz 0±3dB (1341E/1341M) 10KHz -14±3dB
Stereo Separation (at 1000Hz)	25dB
SK Sensitivity (at 98.1MHz)	25.2dBf (1341M)

AM RADIO (1341/1341E model only)

MW RADIO (1341M model only)

Intermediate Frequency	459±5KHz (1341M) 450±5KHz (1341/1341E)
Frequency Rangy	530~1620KHz (1341) 531~1602KHz (1341E/1341M)
Sensitivity 20dB S/N (at 1000KHz)	42.1dBf (1341)
(at 999KHz)	45.2dBf (1341E/1341M)
S/N Ratio (at 1000KHz)	44dB (1341)
(at 999KHz)	(1341E/1341M)
Image Rejection (at 1400KHz)	45dB (1341)
(at 1404KHz)	(1341E/1341M)
IF Rejection (at 610KHz)	55dB (1341)
(at 603KHz)	60dB (1341E/1341M)
Distortion (at 1000KHz)	1% (1341)
(at 999KHz)	(1341E/1341M)
Frequency Response (1000KHz at Ref. 400Hz) (1341)	100Hz -3±4dB
(999KHz at Ref. 400Hz) (1341E/1341M)	4KHz -15±6dB

LW Radio (1341M model only)

Intermediate Frequency	459±5KHz
Frequency Range	153~281KHz
Sensitivity 20dB	52.2dBf
S/N Ratio (at 218KHz)	40dB
Image Rejection (at 272KHz)	40dB
IF Rejection (at 2181KHz)	50dB
Distortion (at 400Hz)	1.5%
Frequency Response	100Hz -3±3dB 4KHz -17±6dB

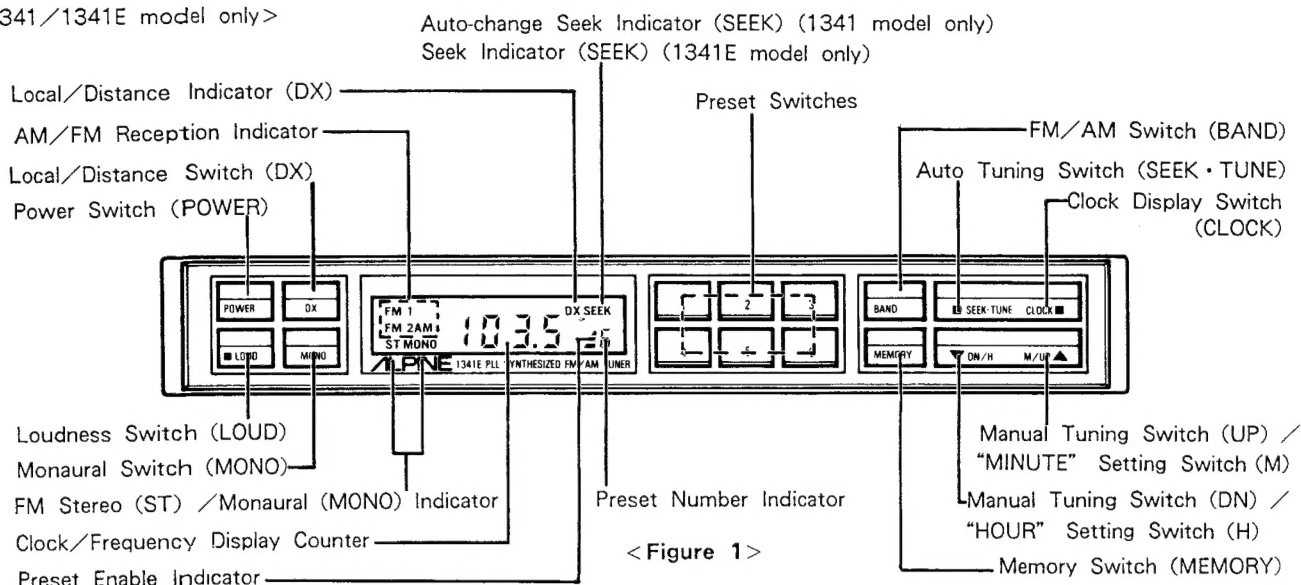
GENERAL

Power Supply	DC 14.4V (1341M) DC 14V (1341/1341E)
Load Impedance	10K ohm
Pre Output Voltage (400Hz)	FM 140mV±3dB AM 140mV-8dB±3dB (1341) AM 140mV 0dB±3dB (1341E) MW 140mV-8dB±3dB (1341M) LW 140mV 0dB±3dB (1341M)
Semiconductors (1341M model only)	6 ICs, 32 Transistors, 33 Diodes 8 Zener Diodes
Semiconductors (1341/1341E model only)	6 ICs, 25 Transistors 26 Diodes (1341E), 24 Diodes (1341), 6 Zener Diodes
Dimensions (W×H×D)	Nose : 171×25×15mm
Dimensions (W×H×D)	Chassis : 178×25×133mm
Weight	0.85Kg

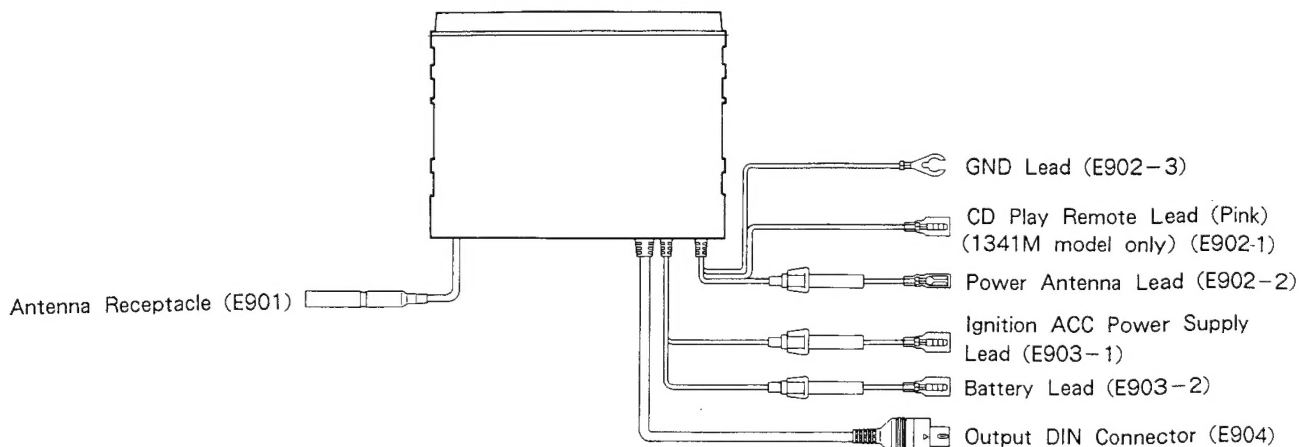
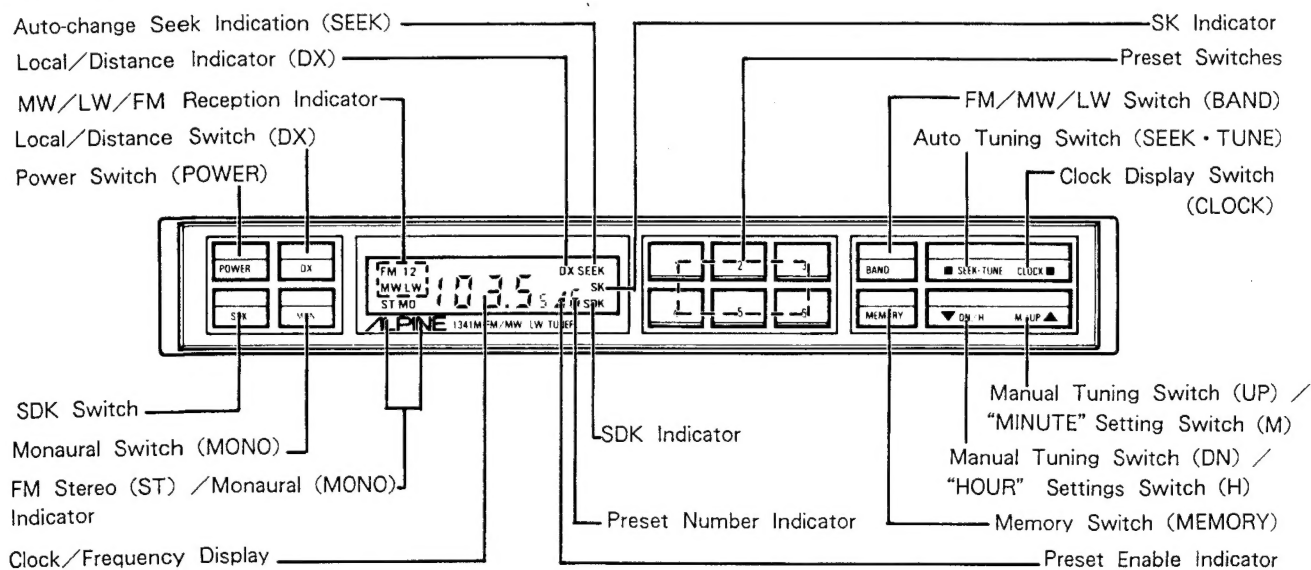
NOTE : Due to continuing product improvement, specifications and design are subject to change without notice.

Parts Locations and Disassembly Instructions

<1341/1341E model only>



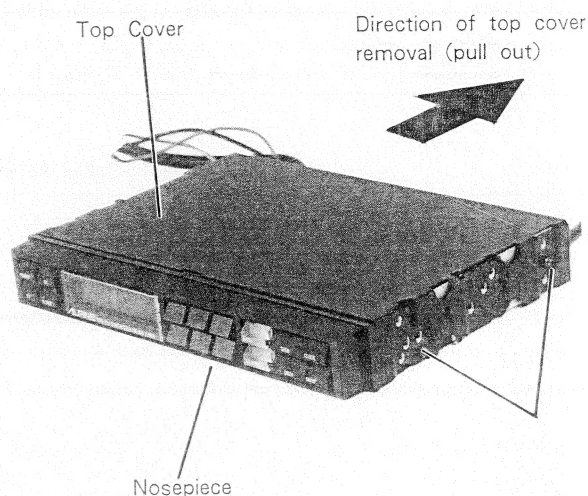
<1341M model only>



< Figure 3 >

1. Removal of Top Cover

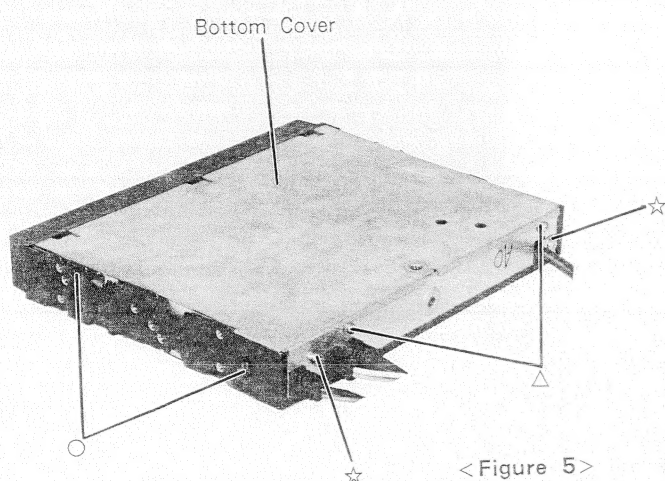
- (1) Remove four screws marked "○" as shown in Figures 4 and 5.
- (2) Pull out the top cover in the arrow direction as shown in Figure 4.



< Figure 4 >

2. Removal of Bottom Cover

- (1) Remove two screws marked "△" as shown in Figure 5.



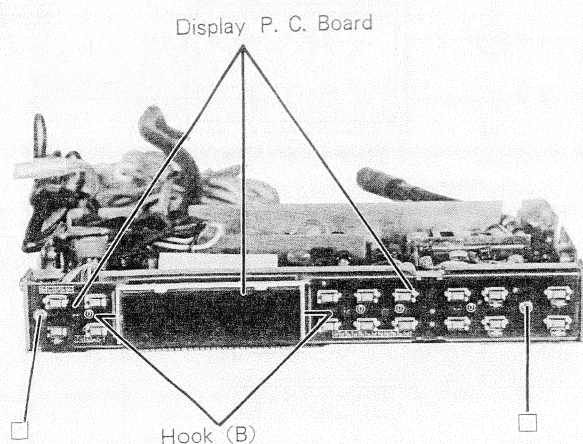
< Figure 5 >

3. Removal of Nosepiece

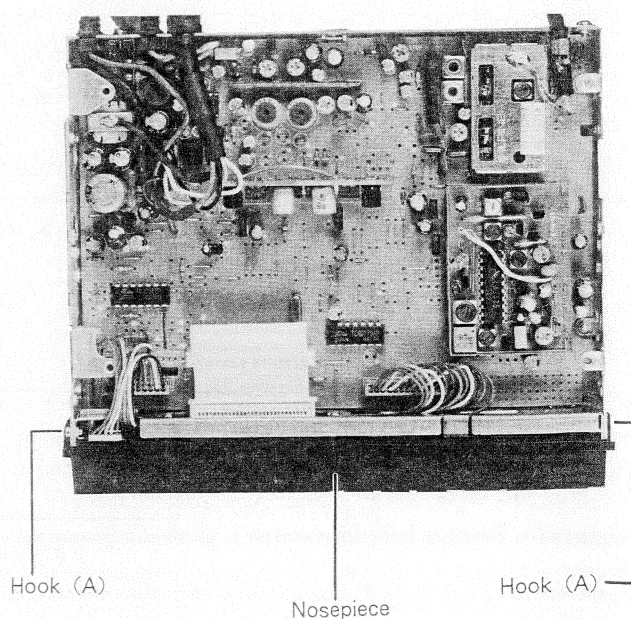
- (1) After removal of the top cover, remove two hooks (A) as shown in Figure 6.

4. Removal of Display P. C. Board

- (1) After removal of the nosepiece, remove two screws marked "□" and two hooks (B) as shown in Figure 7.
- (2) Disconnect two connectors and one parallel wire from the P. C. Board.



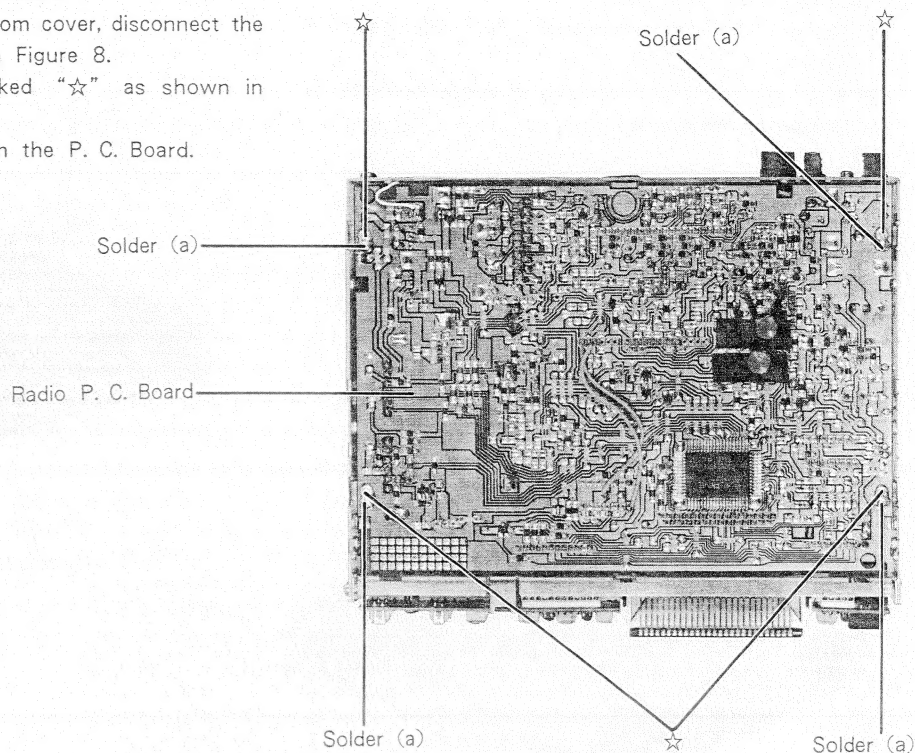
< Figure 7 >



< Figure 6 >

5. Removal of Radio P. C. Board

- (1) After removal of the bottom cover, disconnect the solder (a) as shown in Figure 8.
- (2) Remove six screws marked "☆" as shown in Figures 5 and 8.
- (3) Disconnect all wires from the P. C. Board.

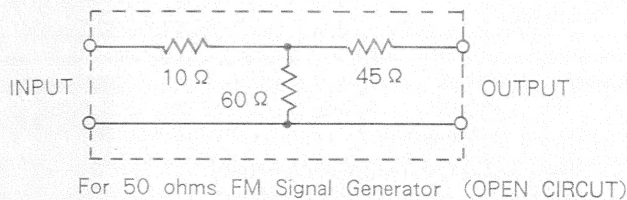


< Figure 8 >

Adjustment Procedures

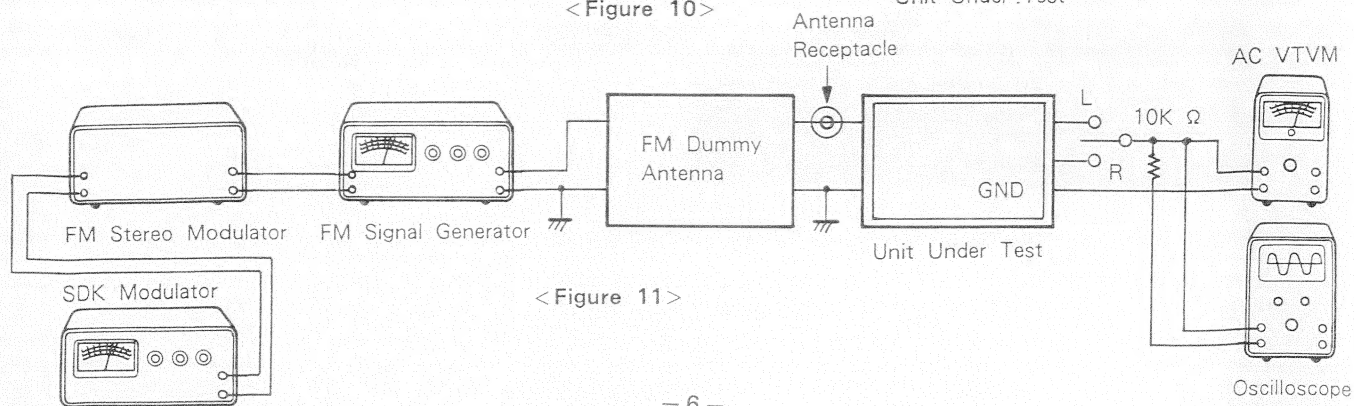
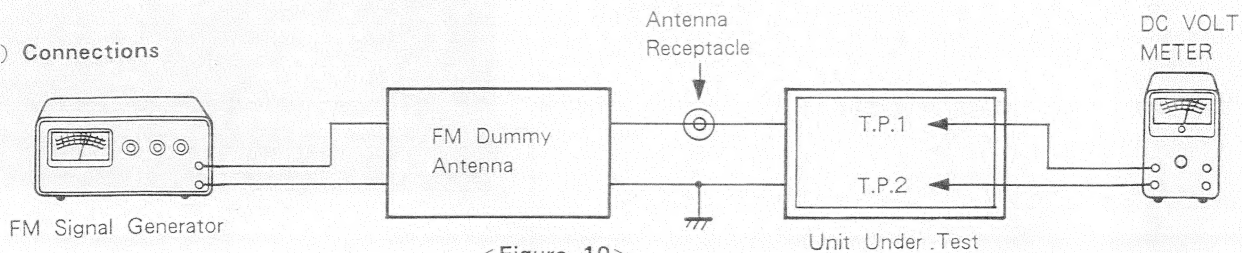
FM Radio

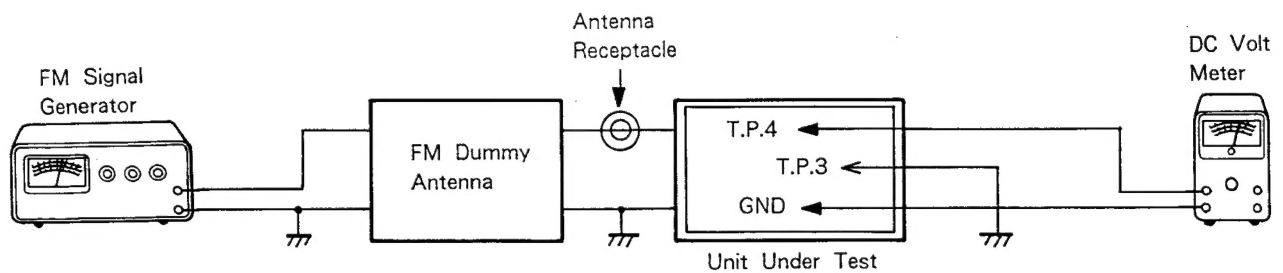
(1) Dummy Antenna Circuit



< Figure 9 >

(2) Connections





< Figure 12 >

(3) Control Settings

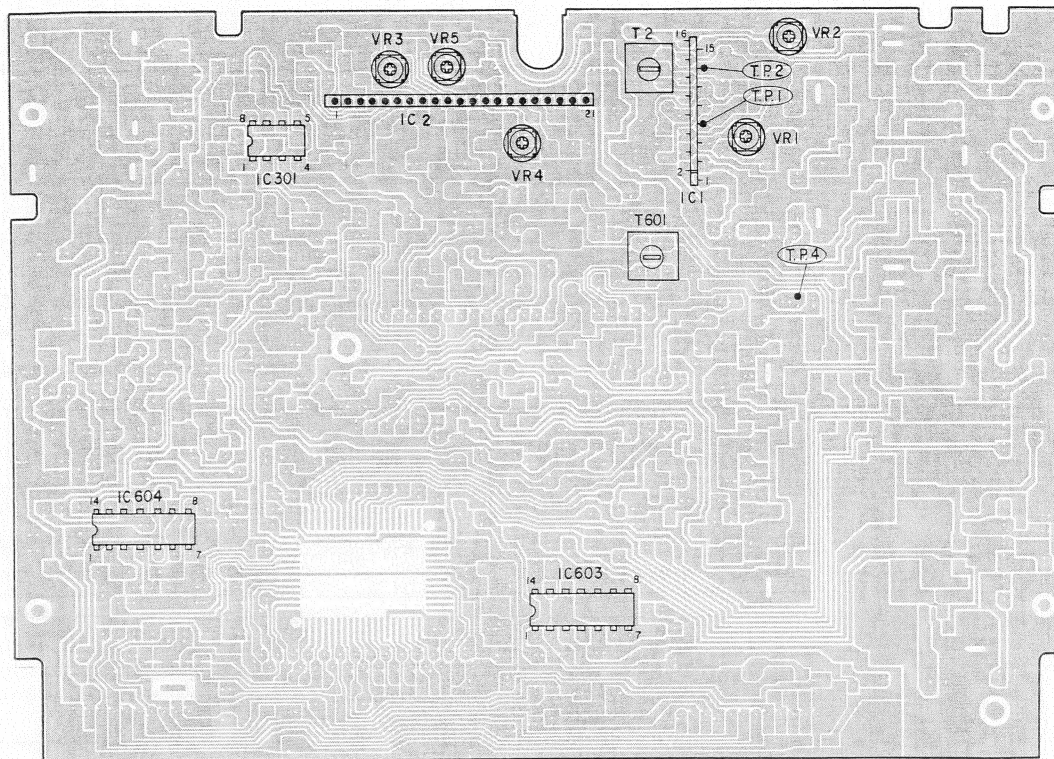
Power SW	ON	MONO SW	ST.
Band SW	FM	Others	OFF
DX SW	ON		

(4) Adjustment Procedures

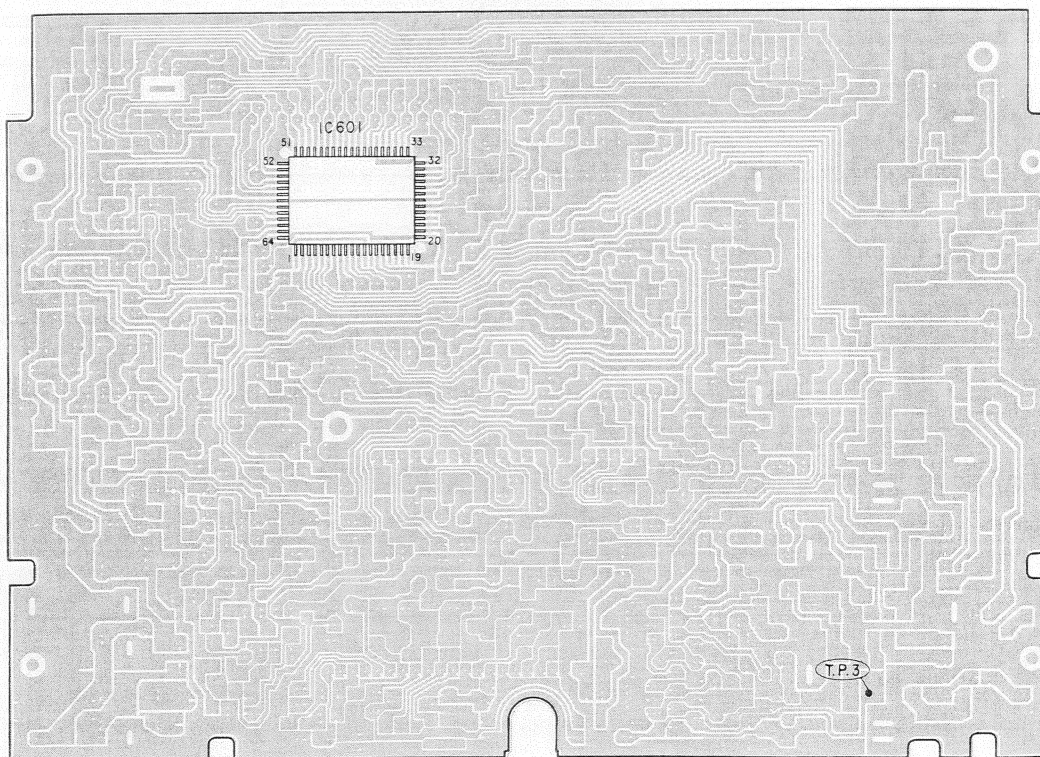
Step	Description	Connection	Signal Generator	Dial Control	Adjustment
1	IF Adjustment	Figure 10	98.1MHz, 72dB μ (Mod. No Modulation)	98.1MHz	T2 for $0 \pm 50\text{mV}$ (1341) $0 \pm 30\text{mV}$ (1341E/1341M) between T.P.1 and T.P.2.
2	Noise Level Adjustment	Figure 11	98.1MHz, 72dB μ (Mod. 400Hz, Dev. 75KHz (1341), Dev. 22.5KHz (1341E/1341M))	98.1MHz	Output Level is 0dB.
			98.1MHz, 0dB (Mod. 400Hz, Dev. 75KHz (1341), Dev. 22.5KHz (1341E/1341M))	98.1MHz	VR1 for $-30 \pm 5\text{dB}$ (1341/1341M) $-23 \pm 5\text{dB}$ (1341E) Audio Output.
3	Seek Stop Level Adjustment	Figure 12	98.1MHz, 32dB μ (1341) 27dB μ (1341E/ 1341M) (Mod. No Modulation)	98.1MHz	VR2 for $3.5 \pm 1\text{V}$ T.P.4. (T.P.3 is Ground)
4	Pilot Cancel Adjustment	Figure 11	98.1MHz, 72dB μ (Mod. Pilot Signal only)	98.1MHz	VR4 for min. Audio Output.
5	Stereo Separation Adjustment	Figure 11	98.1MHz, 72dB μ (Stereo mode, L (R) ch only)	98.1MHz	VR5 for min., R (L) channel Output.
6	Stereo Blend Adjustment	Figure 11	98.1MHz, 46dB μ (Stereo mode, L (R) ch, only)	98.1MHz	VR3 for L and R output level difference to be $8 \pm 3\text{dB}$. (1341) (1341M/1341E $10 \pm 3\text{dB}$)
7	SDK Adjustment (1341M model only)	Figure 11	98.1MHz, 21dB μ SK, BK : ON	98.1MHz	FM Output. SK indicator points ON. (If not ON, adjust T601 with SG output 21dB.)

Adjustment Locations

Radio P. C. Board



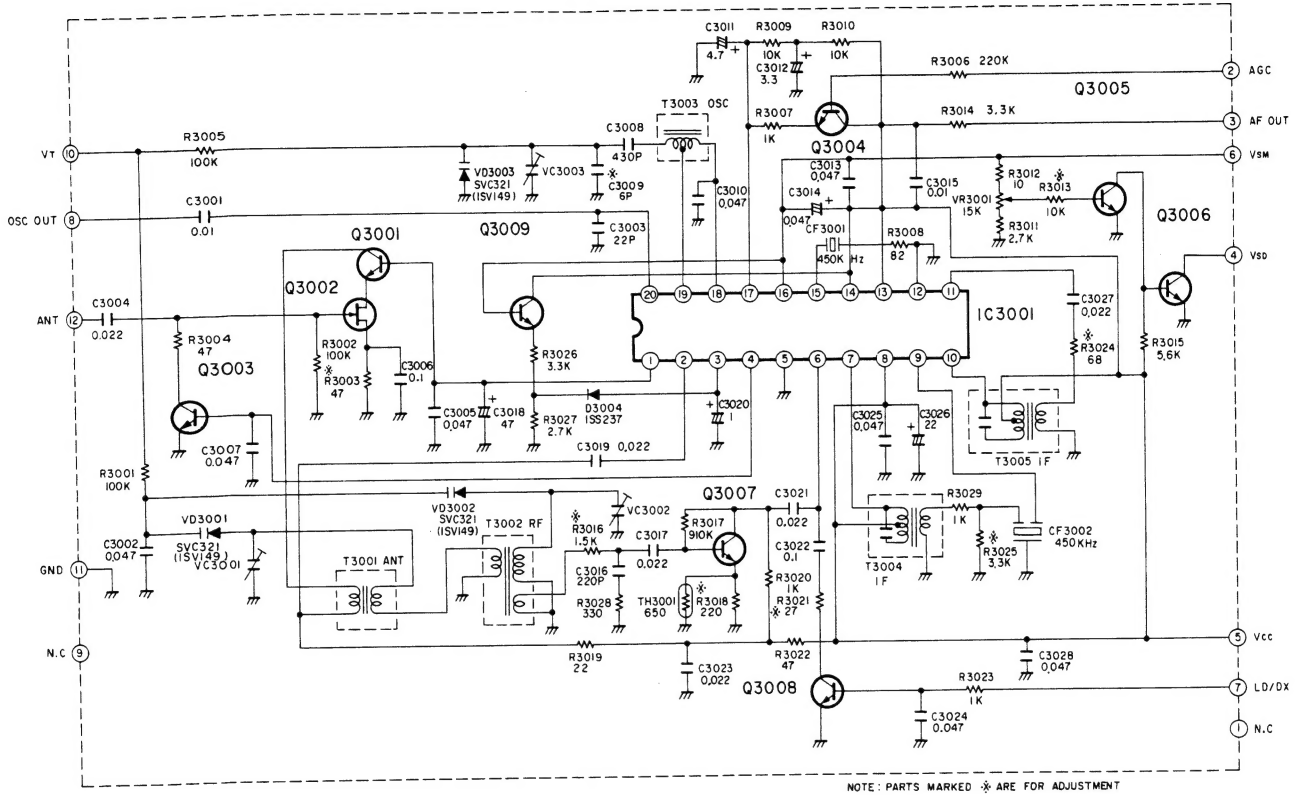
Top View



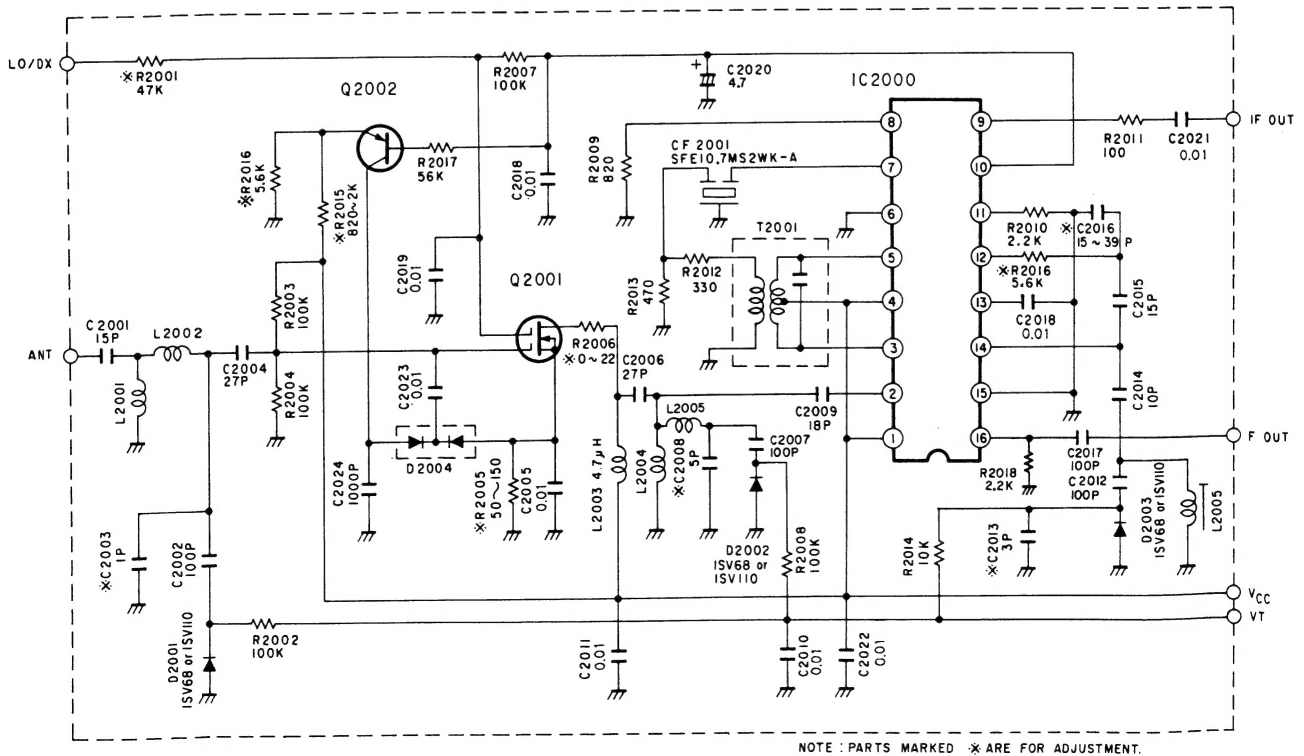
Bottom View

Tuner Schematic Diagram

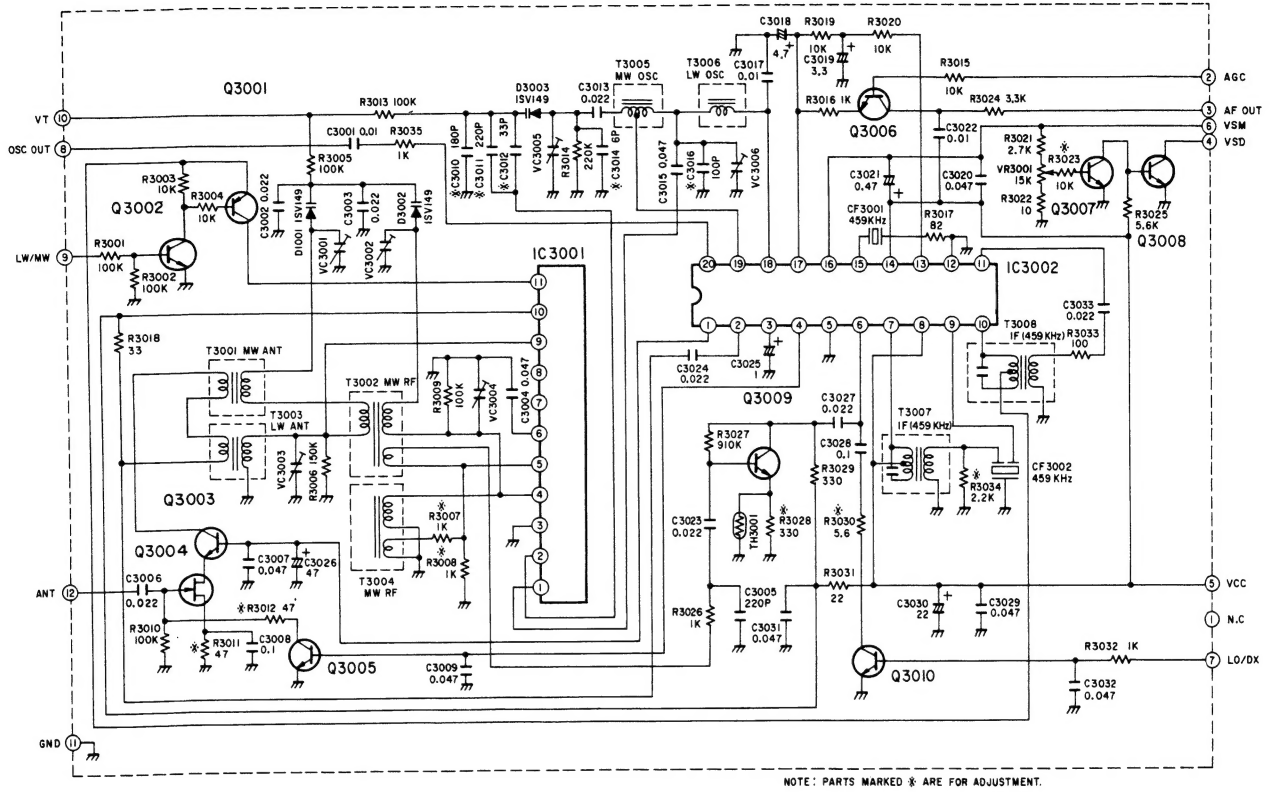
AM Tuner (1341/1341E model only)



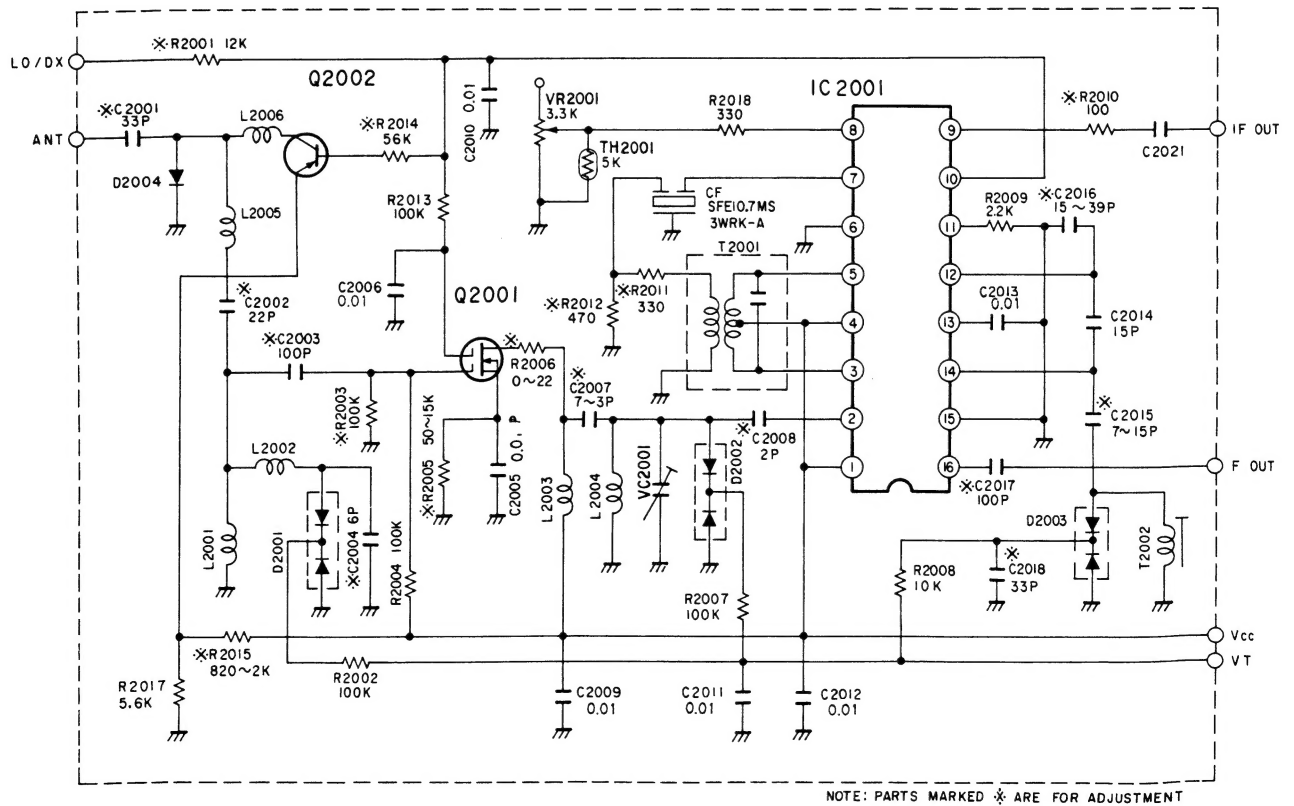
FM Tuner (1341/1341E Model only)



MW, LW Tuner (1341M model only)

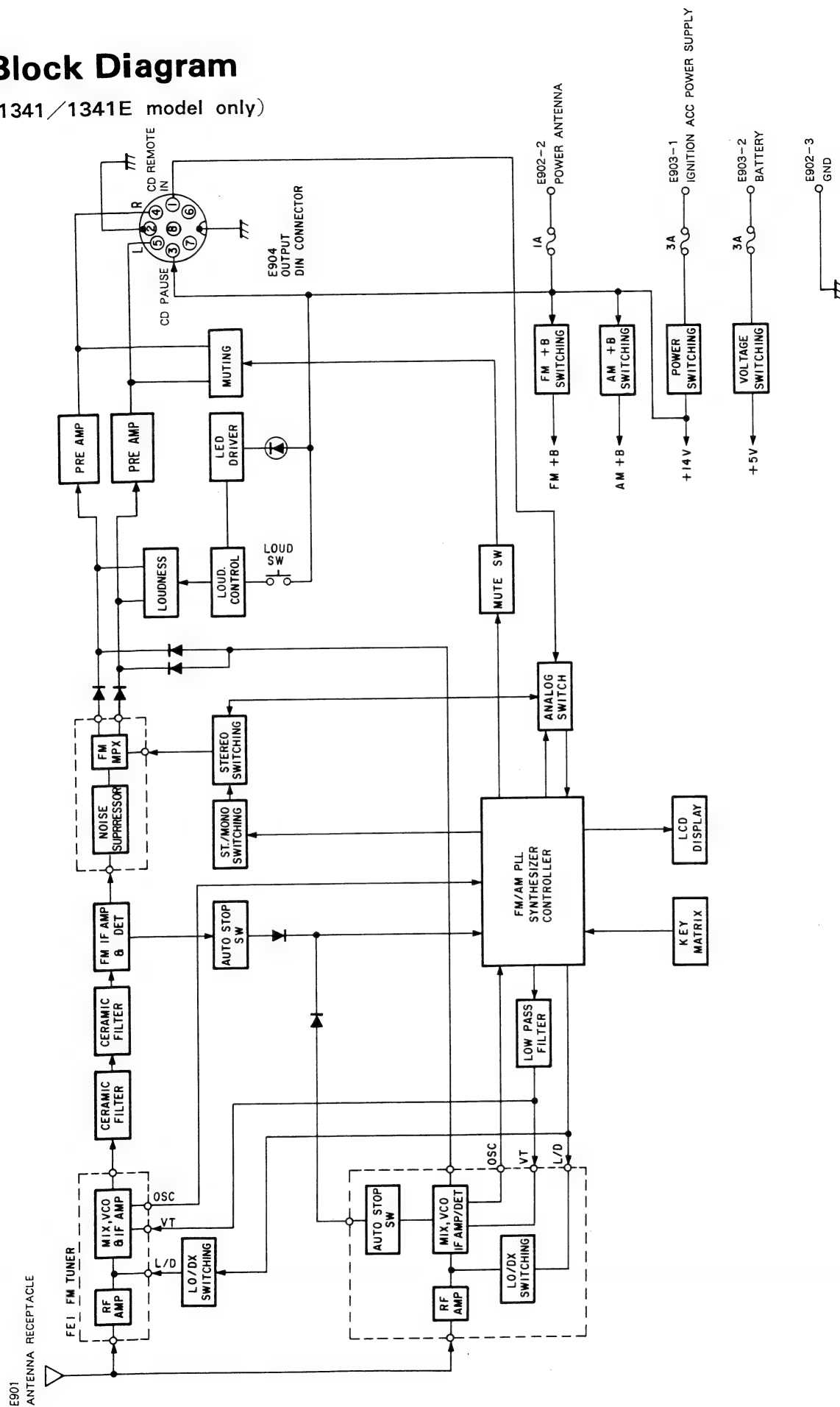


FM Tuner (1341M Model only)

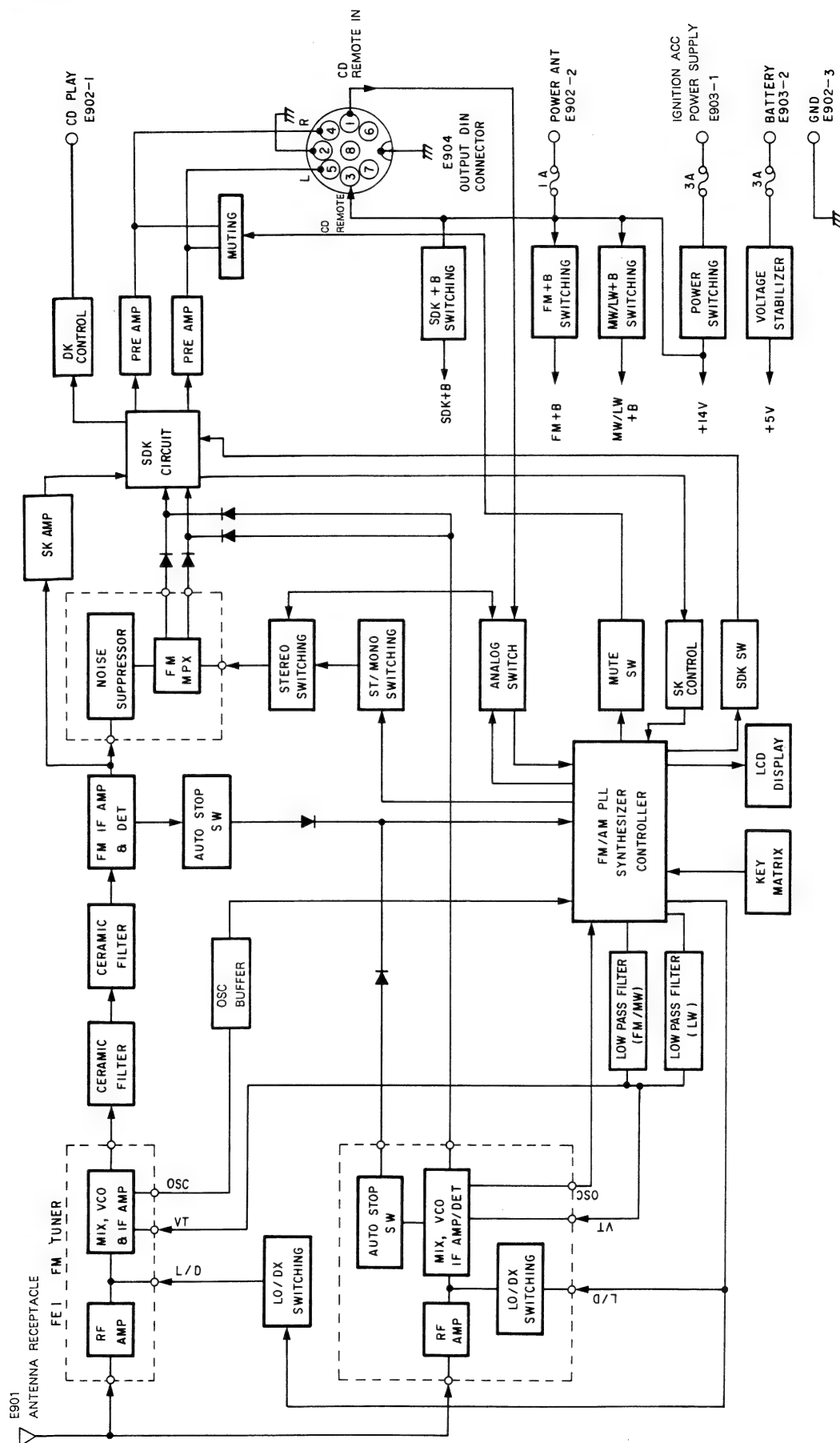


Block Diagram

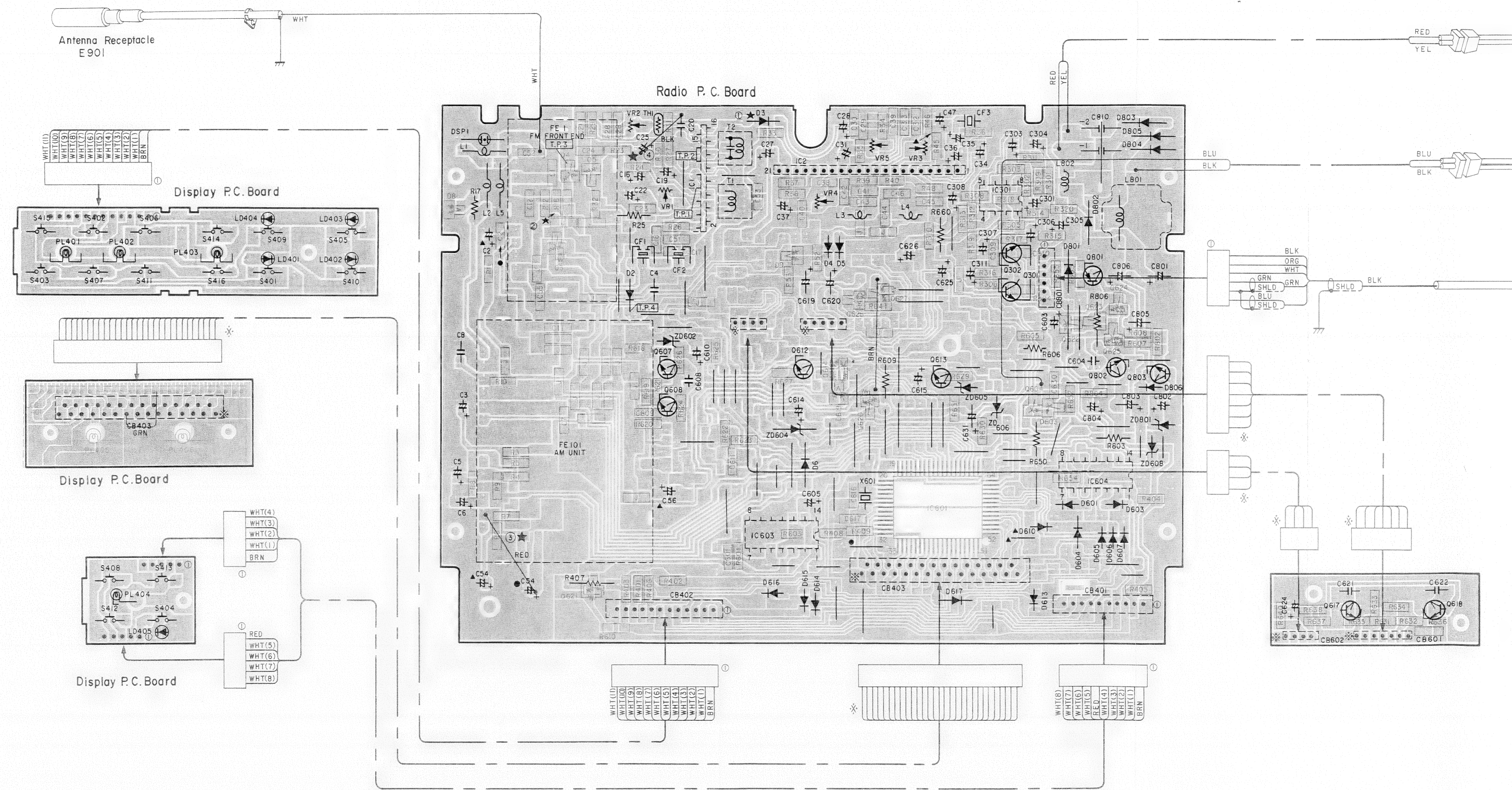
(1341/1341E model only)



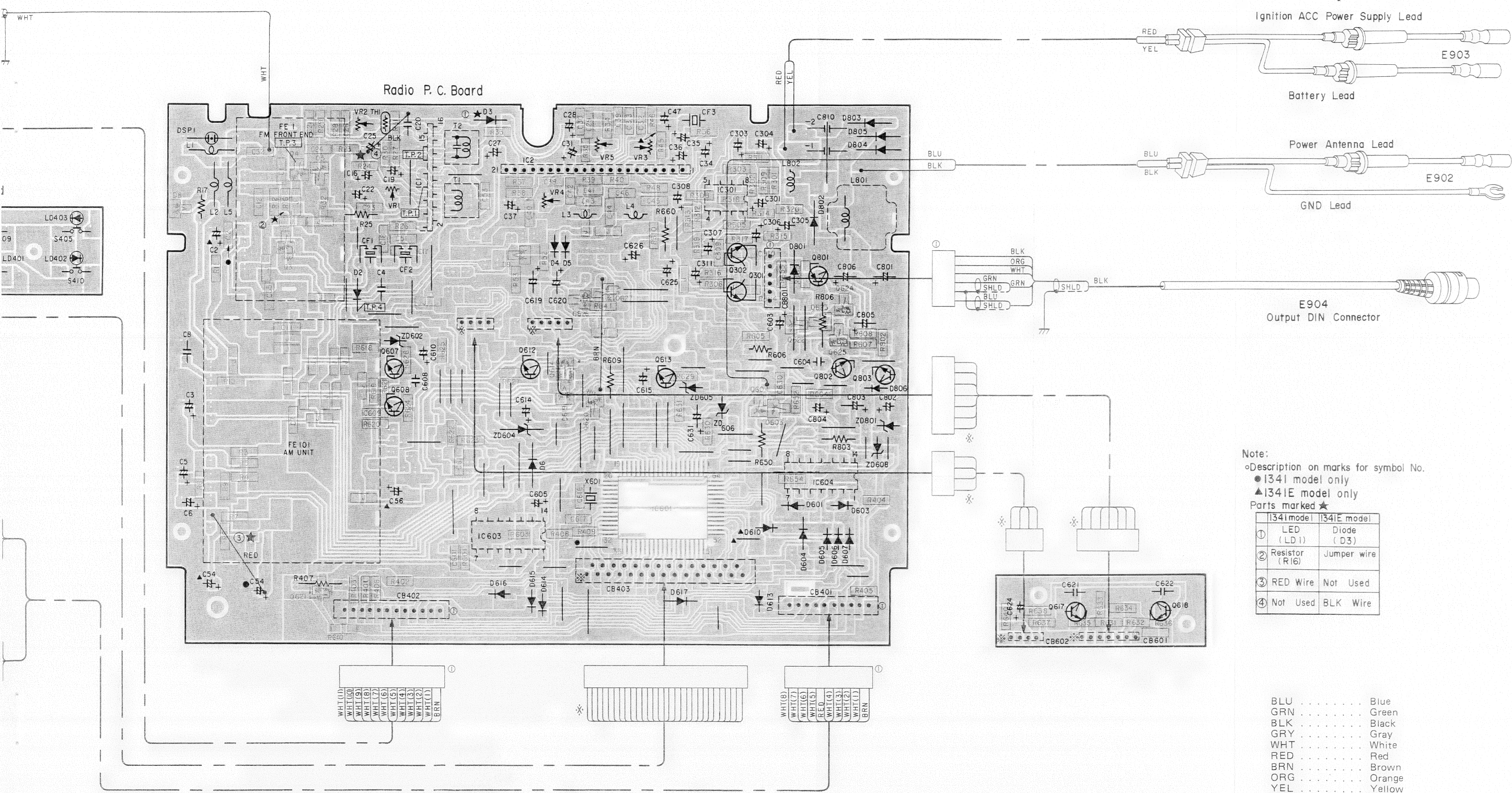
(1341M model only)



Parts Layout on P.C. Boards and Wiring Diagram (1341/1341E model only)



ards and Wiring Diagram (1341/1341E model only)

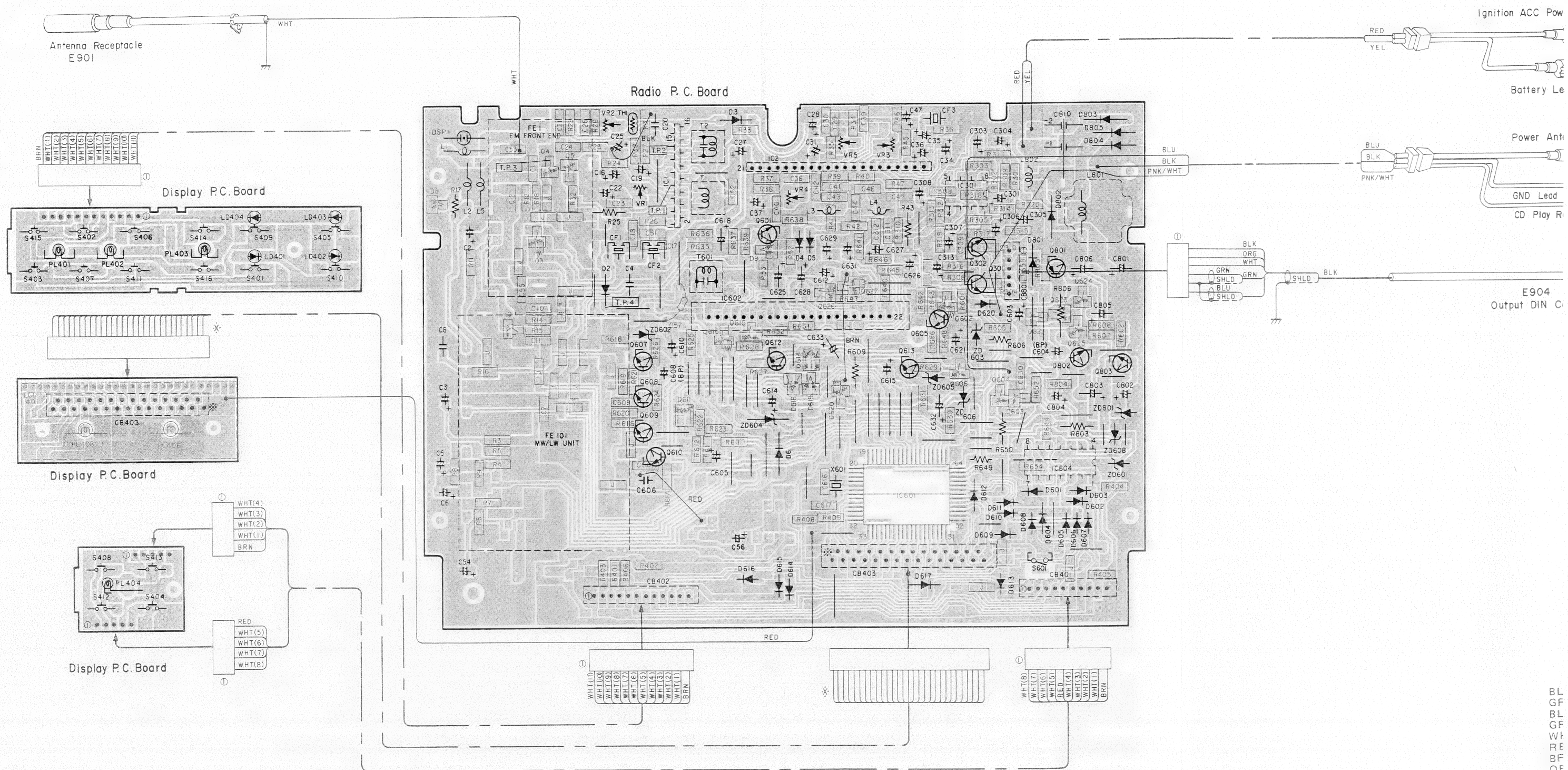


Note:
oDescription on marks for symbol No.
●1341 model only
▲1341E model only
Parts marked ★

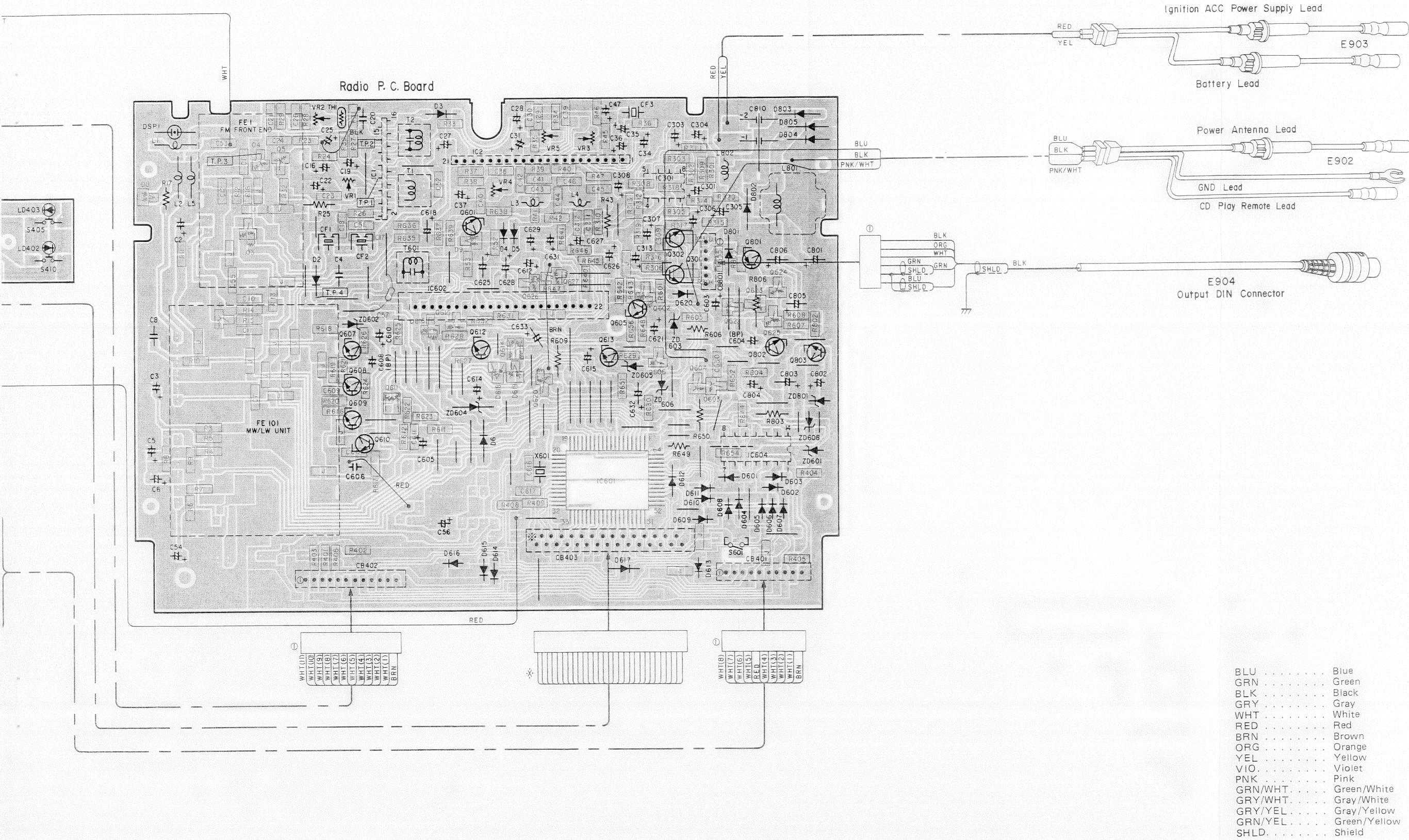
	1341 model	1341E model
①	LED (LD1)	Diode (D3)
②	Resistor (R16)	Jumper wire
③	RED Wire	Not Used
④	Not Used	BLK Wire

- BLU Blue
- GRN Green
- BLK Black
- GRY Gray
- WHT White
- RED Red
- BRN Brown
- ORG Orange
- YEL Yellow
- VIO Violet
- PNK Pink
- GRN/WHT Green/White
- GRY/WHT Gray/White
- GRY/YEL Gray/Yellow
- GRN/YEL Green/Yellow
- SHLD Shield

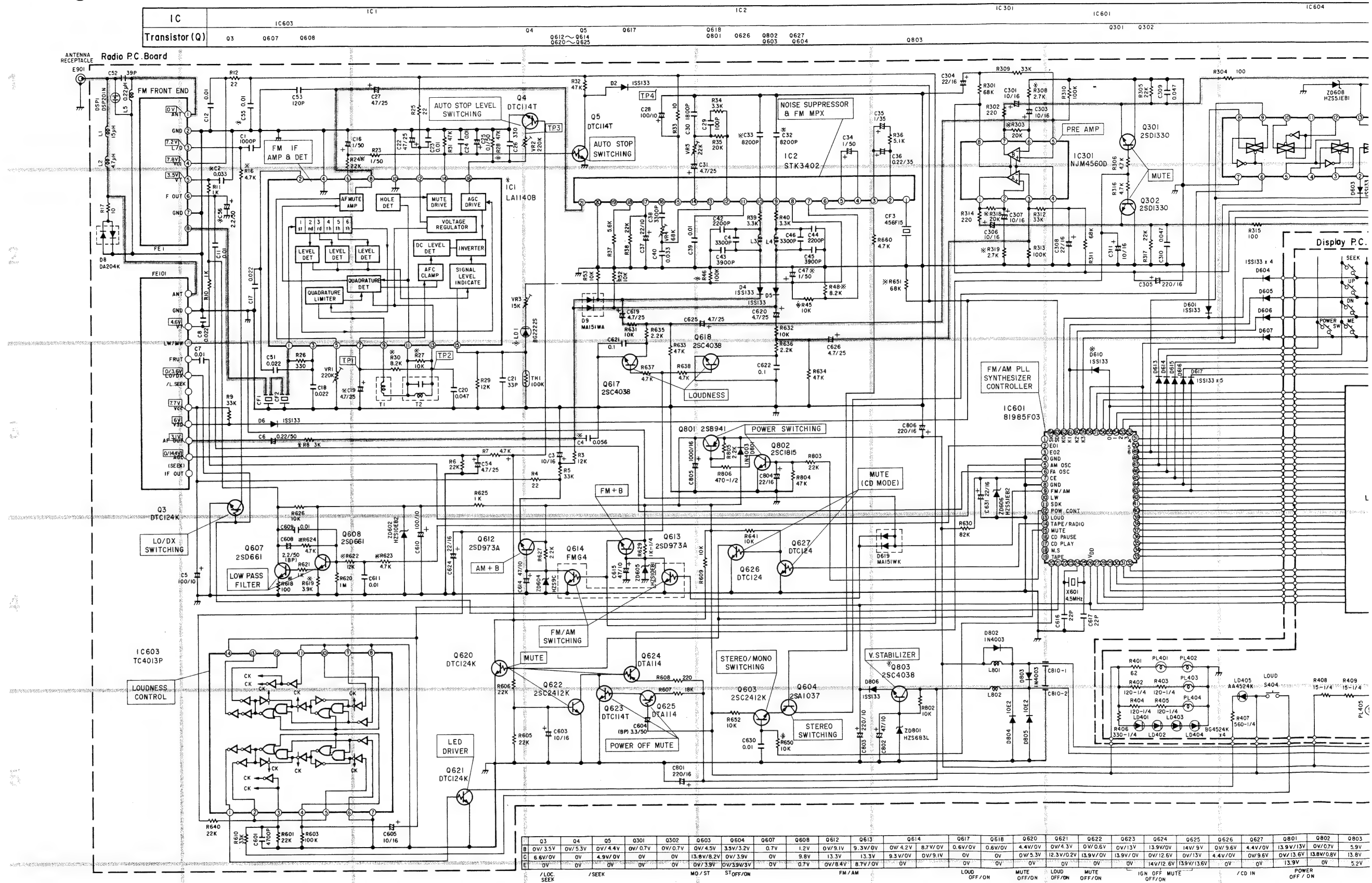
Parts Layout on P.C. Boards and Wiring Diagram (1341M model only)

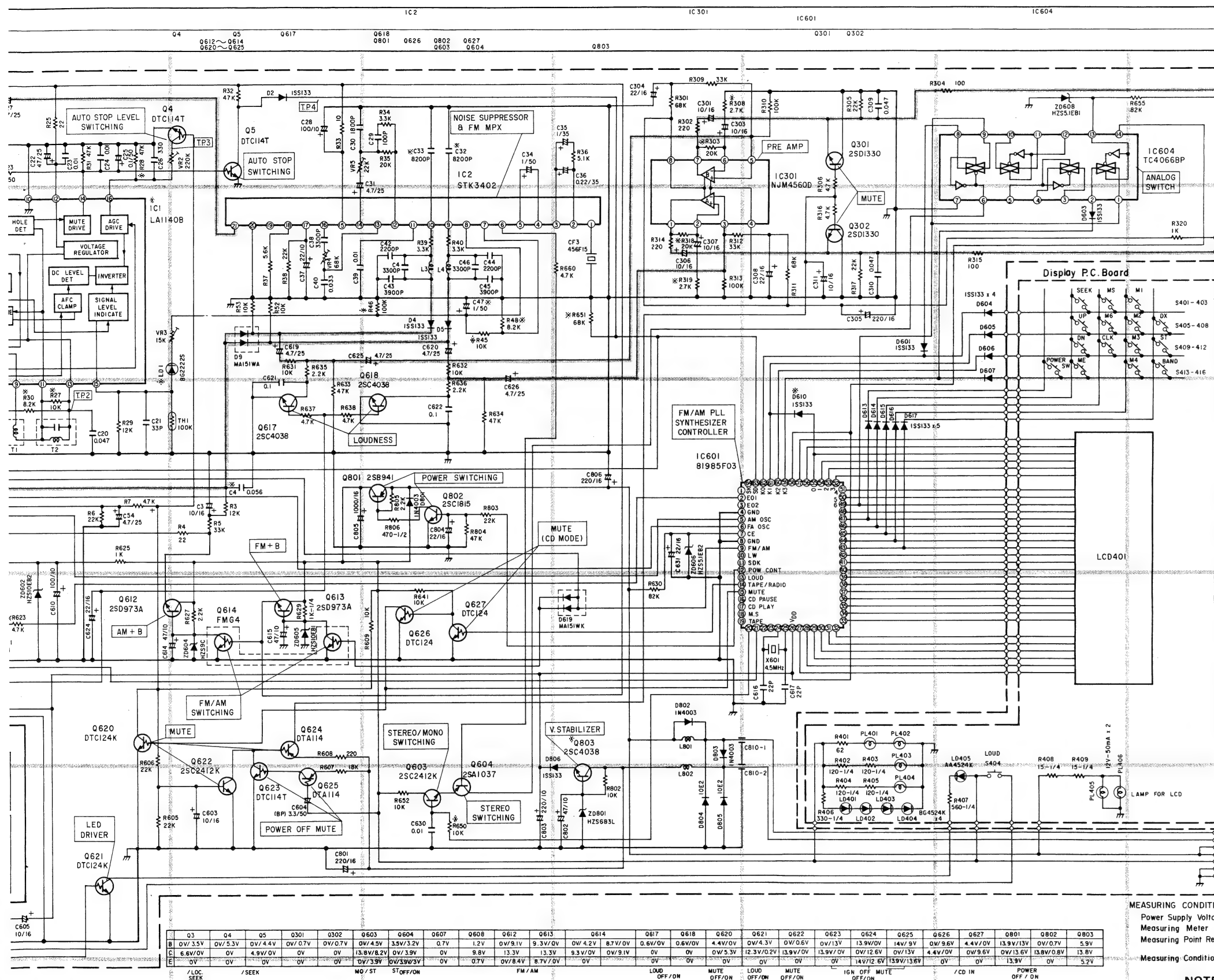


Boards and Wiring Diagram (1341M model only)



Schematic Diagram





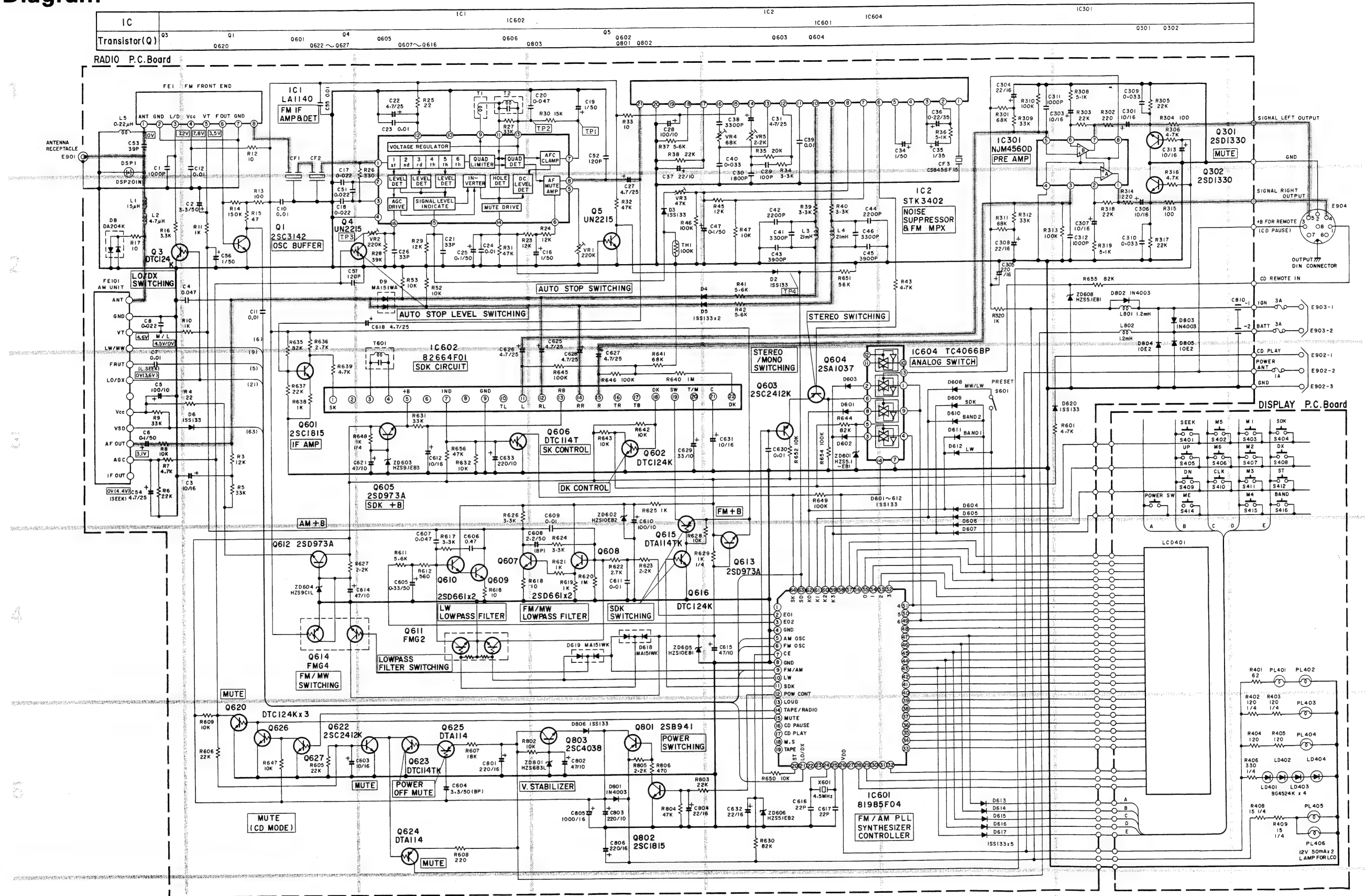
IC1	1	2	3	4	5	6	7	8
1	2.6V	2.6V	2.6V	2.6V	2.1V	OV	4.9V	5V
2	4.9V	OV	4.9V	8.2V	4.9V	OV	4.1V	2.7V

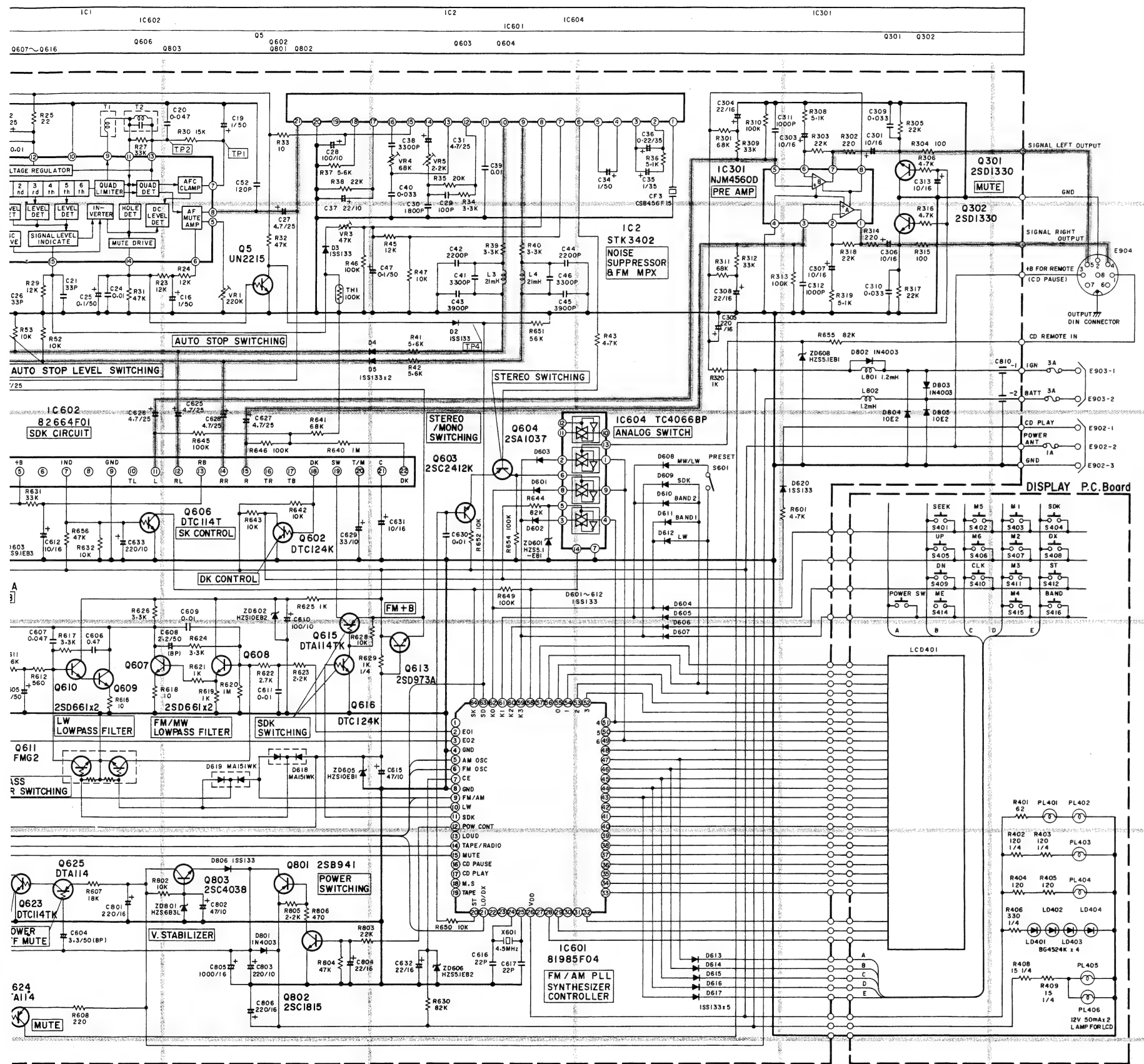
IC2	1	2	3	4	5	6	7
1	3.6V	2.8V	2.8V	2.8V	2.8V	3.4V/OV (mono/st)	0.7V
2	8	9	10	11	12	13	14
3	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
4	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
5	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
6	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
7	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
8	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
9	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
10	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
11	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
12	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
13	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
14	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
15	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
16	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
17	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
18	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
19	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
20	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
21	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
22	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
23	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
24	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
25	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
26	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
27	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
28	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
29	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
30	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
31	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
32	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
33	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
34	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
35	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
36	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
37	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
38	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
39	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
40	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
41	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
42	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
43	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
44	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
45	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
46	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
47	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
48	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
49	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
50	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
51	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
52	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
53	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
54	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
55	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
56	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
57	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
58	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
59	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
60	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
61	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
62	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
63	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
64	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
65	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
66	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
67	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
68	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
69	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
70	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
71	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
72	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
73	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
74	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
75	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
76	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
77	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
78	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
79	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
80	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
81	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
82	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
83	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
84	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
85	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
86	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
87	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
88	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
89	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
90	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
91	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
92	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
93	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
94	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
95	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
96	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
97	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
98	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
99	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V
100	1.6V	3.3V	3.3V	2.6V	3.3V	0.3V	3.5V

IC301	1	2	3	4	5	6	7	8
1	5.1V	5.1V	5.1V	OV	5.1V	5.1V	5.1V	10.1V

IC601								
1	2	3	4	5	6	7	8	
	1.2V	—	0V	0V/1.8V FM/AM	1.9V/0V FM/AM	3.8V	0V	
9	10	11	12	13	14	15	16	
0V/4.6V FM/AM	—	—	4.5V	—	4.5V/0V MUTE ON/OFF	4.5V/0V MUTE ON/OFF	—	
17	18	19	20	21	22	23	24	
—	—	—	0V/4.5V MO/ST	0V/3.5V BEEK DV/LD	—	—	16V	
25	26	27	28	29	30	31	32	
2V	4.5V	—	2.3V	2.3V	—	—	2.3V	
33	34	35	36	37	38	39	40	
2.3V	2.3V	2.3V	2.3V	2.3V	—	2.3V	2.3V	
41	42	43	44	45	46	47	48	
2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	
49	50	51	52	53	54	55	56	
2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	
57	58	59	60	61	62	63	64	
2.3V	4.5V	0V	0V	0V	0V	4.1V	0V	

Schematic Diagram





IC1

1	2	3	4	5	6	7	8
2.6V	2.6V	2.6V	0V	2.1V	0V	4.9V	5V
9	10	11	12	13	14	15	16
4.9V	0V	4.9V	8.2V	4.9V	0V	4.1V	2.7V

IC2

1	2	3	4	5	6	7	8
3.6V	2.8V	2.8V	2.8V	2.8V	3.4V/0V	0.7V	1.6V
9	10	11	12	13	14	15	16
3.3V	3.3V	2.6V	3.3V	0.3V	3.5V	8.4V	4.6V
17	18	19	20	21			
0V	0V		0V	4.9V			

IC301

1	2	3	4	5	6	7	8
5.1V	5.1V	5.1V	0V	5.1V	5.1V	5.1V	10.1V

IC601

1	2	3	4	5	6	7	8
—	1.2V	—	0V	0V/1.8V/1.9V/0V	FM/AM	FM/AM	3.8V
9	10	11	12	13	14	15	16
0V/4.6V	—	—	4.5V	—	4.5V/0V	4.5V/0V	—
17	18	19	20	21	22	23	24
—	—	—	0V/4.5V	—	—	—	1.6V
25	26	27	28	29	30	31	32
2V	4.5V	—	2.3V	—	2.3V	2.3V	2.3V
38	39	40	41	42	43	44	45
—	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V	2.3V
53	54	55	56	57	58	59	60
2.3V	—	—	—	—	—	—	—
61	62	63	64				
—	—	—	—	—	—	—	—

IC602

1	2	3	4	5	6	7	8	9	10	11
5.8V	—	4.3V	8.6V	—	0V/1.6V	—	0V	—	0V	—
12	13	14	15	16	17	18	19	20	21	22
0V	6.5V	—	—	—	9V/0V	—	0V/8.8V	—	1.6V	—

IC604

1	2	3	4	5	6	7
2.3V	0V/2.3V	0V/2.3V	2.3V	0V/3.4V	0V/3.8V	0V
8	9	10	11	12	13	14
0V/2.3V	2.3V	—	—	—	0V/3.7V	4.5V

Q1 Q3 Q4 Q5 Q301 Q302

Q1	Q3	Q4	Q5	Q301	Q302
0.6V	0V/3.5V	0V/3.5V	0V/4.4V	0V/0.7V	0V/0.7V
8.2V	6.6V/0V	0V	4.9V/0V	0V	0V
0V	0V	0V	0V	0V	0V

Q601 Q602 Q603 Q604 Q605 Q606

Q601	Q602	Q603	Q604	Q605	Q606
1.7V	9V/0V	0V/4.5V	3.5V/3.2V	9.2V	0V/1.6V
5.8V	0V/12.6V	13.8V/8.2V	0V/3.9V	13.3V	4.5V/0V
1.1V	0V	0V/3.9V	0V/3.9V/3V	8.6V	0V

Q607 Q608 Q609 Q610 Q611

Q607	Q608	Q609	Q610	Q611
0.7V	1.2V/0V	0.6V	1.1V	0V/4.6V
0V	9.8V	3.6V	9.6V	1.2V/0V
0V	0.7V	0V	0.6V	0V/1.1V

Q612 Q613 Q614 Q615 Q616

Q612	Q613	Q614	Q615	Q616
0V/9.1V	9.3V/0V	0V/4.2V	8.7V/0V	8.8V/0V
13.3V	13.3V	9.3V/0V	0V/9.1V	0V/8.8V
0V/8.4V	8.7V/0V	0V	—	8.8V

Q620 Q622 Q623 Q624 Q625

Q620	Q622	Q623	Q624	Q625
4.4V/0V	0V/0.6V	0V/1.3V	13.9V/0V	14V/9V
0V/5.3V	13.9V/0V	13.9V/0V	0V/12.6V	0V/13V
0V	0V	0V	14V/12.6V	13.9V/13.6V

Q626 Q627 Q801 Q802 Q803

Q626	Q627	Q801	Q802	Q803
0V/9.6V	4.4V/0V	13.9V/13V	0V/0.7V	5.8V
4.4V/0V	0V/9.6V	0V/13.6V	13.8V/0.8V	13.8V
0V	0V	13.9V	0V	5.2V

MEASURING CONDITION
Power Supply Voltage: DC14V
Measuring Meter
: Digital Multi Voltmeter
Measuring Point Reference
: Between Ground
Measuring Conditions
: No Signal Input
FM : Mod 400Hz, 75KHzdev.
98.1MHz
MW/LW
: 100KHz Mod 30%

Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
uF = microfarads, pF = picofarads

Abbreviations					Symbol No.	Part No.	Description		
RES.=Resistor					■	Q606	48T62967F09	CP., DTC114TK	
C.F.=Carbon Film					■	or	48T64222F05	CP., UN2215	
M.F.=Metal Film					■	Q607	48T42182U01	2SD661	
M.O.=Metal Oxide Film					■	Q608	48T42182U01	2SD661	
M.P.=Metal Plate					■	Q609	48T42182U01	2SD661	
TR.=Transistor					■	Q610	48T42182U01	2SD661	
TRANS.=Transformer					■	Q611	48T73888F09	CP., FMG2	
CP.=Chip					■	Q612	48T52549F01	2SD973A	
					■	Q613	48T52549F01	2SD973A	
					■	Q614	48T73888F10	CP., FMG4	
					■	Q615	48T62966F09	CP., DTA114T	
					■	or	48T64221F05	CP., UN2115	
					■	Q616	48T62967F03	CP., DTC124K	
					■	or	48T64222F02	CP., UN2212	
					●	Q617	48T82758F03	2SC4038	
					▲	Q617	48T82758F03	2SC4038	
					●	Q618	48T82758F03	2SC4038	
					▲	Q618	48T82758F03	2SC4038	
					■	Q620	48T62967F03	CP., DTC124K	
					■	or	48T64222F02	CP., UN2212	
					●	Q621	48T62967F03	CP., DTC124K	
					●	or	48T64222F02	CP., UN2212	
					▲	Q621	48T62967F03	CP., DTC124K	
					▲	or	48T64222F02	CP., UN2212	
					■	Q622	48T63417F01	CP., 2SC2412K	
					■	Q623	48T62967F09	CP., DTC114TK	
					■	or	48T64222F05	CP., UN2215	
					■	Q624	48T62966F02	CP., DTA114	
					■	or	48T64221F01	CP., UN2111	
					■	Q625	48T62966F02	CP., DTA114	
					■	or	48T64221F01	CP., UN2111	
					■	Q626	48T62967F03	CP., DTC124K	
					■	or	48T64222F02	CP., UN2212	
					■	Q627	48T62967F03	CP., DTC124K	
					■	or	48T64222F02	CP., UN2212	
					■	Q801	48T56030F01	2SB941	
					●	Q802	48T81101F01	2SC1815	
					▲	Q803	48T82758F03	2SC4038	
					▲	Q803	48T81101F01	2SC1815	
					■	Q803	48T82758F03	2SC4038	
					Diodes/LED/Surge Protector				
					■	D2	48T68828F01	1SS133	
					■	or	48T44813F01	MA165TA	
					▲	D3	48T51087F02	Varistor, KB-262	
					■	D3	48T68828F01	1SS133	
					■	or	48T44813F01	MA165TA	

Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
D4	48T68828F01	1SS133			D802	48S40477U01	IN4003		
or	48T44813F01	MA165TA			D803	48S40477U01	IN4003		
D5	48T68828F01	1SS133			D804	48C40235G02	10E2		
or	48T44813F01	MA165TA			D805	48C40235G02	10E2		
D6	48T68828F01	1SS133			D806	48T68828F01	1SS133		
or	48T44813F01	MA165TA			or	48T44813F01	MA165TA		
D8	48T64134F01	CP., DA204K			■ ZD601	48T68697F17	Zener, HZS5.1EB1		
D9	48T52445F01	CP., MA151WA			ZD602	48T68697F39	Zener, HZS10EB2		
or	48T63463F01	CP., DAP202K			■ ZD603	48T68697F37	Zener, HZS9.1EB3		
D601	48T68828F01	1SS133			ZD604	48T83128F25	Zener, HZS9CIL		
or	48T44813F01	MA165TA			ZD605	48T68697F38	Zener, HZS10EB1		
■ D602	48T68828F01	1SS133			ZD606	48T68697F18	Zener, HZS5.1EB2		
■ or	48T44813F01	MA165TA			ZD608	48T68697F17	Zener, HZS5.1EB1		
D603	48T68828F01	1SS133			ZD801	48T83128F06	Zener, HZS6B3L		
or	48T44813F01	MA165TA			● LD1	48T61238F02	LED, BG2222S (GRN)		
D604	48T68828F01	1SS133			DSP1	48T81909F01	Surge Protector, DSP201M		
or	48T44813F01	MA165TA.							
D605	48T68828F01	1SS133			Thermistor/Coils				
or	48T44813F01	MA165TA			TH1	48T57369F21	Thermistor, 100K ohm		
D606	48T68828F01	1SS133			L1	24T50508F24	15 μ H		
or	48T44813F01	MA165TA			L2	24T50508F18	4.7 μ H		
D607	48T68828F01	1SS133			L3	24T66010F01	Dolby 21mH		
or	48T44813F01	MA165TA			L4	24T66010F01	Dolby 21mH		
■ D608	48T68828F01	1SS133			L5	24T51656F02	Inductor, 0.22 μ H		
■ or	48T44813F01	MA165TA			L801	25T52199F01	Choke, 0.8mH		
■ D609	48T68828F01	1SS133			L802	24T58149F02	Inductor, 1.2mH		
■ or	48T44813F01	MA165TA			Transformer				
▲ D610	48T68828F01	1SS133			T1	24T58377F01	Coil, Inductor FM (WHT)		
■ D610	48T68828F01	1SS133			T2	24T58377F02	Coil, FM 7KL (BLU)		
■ or	48T44813F01	MA165TA			■ T601	24T68145F01	Coil, SK 57KHz		
■ D611	48T68828F01	1SS133							
■ or	48T44813F01	MA165TA			Switch/Crystal/Filters				
■ D612	48T68828F01	1SS133			■ S601	40T64365F01	Slide Switch (PRESET)		
■ or	48T44813F01	MA165TA			X601	48T55073F01	Crystal 4.5MHz		
D613	48T68828F01	1SS133			CF1	91T80084F01	CER., 1070MS10FAL		
or	48T44813F01	MA165TA			CF2	91T80084F01	CER., 1070MS10FAL		
D614	48T68828F01	1SS133			CF3	91T68469F04	CER., Lock CSB456F15		
or	48T44813F01	MA165TA							
D615	48T68828F01	1SS133							
or	48T44813F01	MA165TA							
D616	48T68828F01	1SS133							
or	48T44813F01	MA165TA							
D617	48T68828F01	1SS133							
or	48T44813F01	MA165TA							
■ D618	48T52446F01	CP., MA151WK							
■ or	48T63462F01	CP., DAN202K							
D619	48T53446F01	CP., MA151WK							
or	48T63462F01	CP., DAN202K							
■ D620	48T68828F01	1SS133							
■ or	48T44813F01	MA165TA							
D801	48S40477U01	IN4003							

Notes: ●: For 1341 model only, ▲: For 1341E model only,
■: For 1341M model only, Others: Common

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Capacitors									
●	C1	08S53332F35	CP.,	1000pF		C35	23S41059P07	TAN.,	1 μ F/35V
▲	C2	08S53332F53	CP.,	0.033 μ F	●	C36	23S41059P03	TAN.,	0.22 μ F/35V
■	C2	23T61513F31	ELY.,	2.2 μ F/50V	▲	C37	23T61512F05	ELY.,	22 μ F/10V
	C2	23T61512F27	ELY.,	3.3 μ F/50V	■	C37	23T61512F05	ELY.,	22 μ F/10V
	C3	23S61523F12	ELY.,	10 μ F/16V		C37	23T61513F07	ELY.,	22 μ F/10V
●	C4	08T57705F76	MYL.,	0.056 μ F		C38	08S53332F41	CP.,	3300pF
▲	C4	08T57707F77	MYL.,	0.068 μ F		C39	08S53332F47	CP.,	0.01 μ F
■	C4	08T52714F21	CER.,	0.047 μ F		C40	08S53332F53	CP.,	0.033 μ F
	C5	23T61513F10	ELY.,	100 μ F/10V		C41	08S53332F41	CP.,	3300pF
●	C6	23T61512F22	ELY.,	0.22 μ F/50V		C42	08S53332F39	CP.,	2200pF
▲	C6	23T61512F22	ELY.,	0.22 μ F/50V		C43	08S53332F42	CP.,	3900pF
■	C6	23T61512F21	ELY.,	0.1 μ F/50V		C44	08S53332F39	CP.,	2200pF
	C7	08S53332F47	CP.,	0.01 μ F		C45	08S53332F42	CP.,	3900pF
	C8	08T52714F17	CER.,	0.022 μ F		C46	08S53332F41	CP.,	3300pF
■	C10	08S53332F47	CP.,	0.01 μ F	●	C47	23T61512F25	ELY.,	1 μ F/50V
	C11	08S53332F47	CP.,	0.01 μ F	▲	C47	23T61512F21	CP.,	0.1 μ F/50V
●	C12	08S53332F47	CP.,	0.01 μ F	■	C47	23T61512F21	ELY.,	0.1 μ F/50V
▲	C12	08T65480F61	CER.,	0.01 μ F		C51	08S53332F51	CP.,	0.022 μ F
■	C12	08S53332F47	CP.,	0.01 μ F	●	C52	08S53332F18	CP.,	39pF
	C16	23T61512F25	ELY.,	1 μ F/50V	▲	C52	08S53332F18	CP.,	39pF
●	C17	08S53332F51	CP.,	0.022 μ F	■	C52	08S53332F24	CP.,	120pF
▲	C17	08T52714F17	CER.,	0.022 μ F	●	C53	08S53332F24	CP.,	120pF
■	C17	08S53332F51	CP.,	0.022 μ F	▲	C53	08S53332F24	CP.,	120pF
●	C18	08T52714F17	CER.,	0.022 μ F	■	C53	08S53332F18	CP.,	39pF
▲	C18	08S53332F51	CP.,	0.022 μ F		C54	23S61524F18	ELY.,	4.7 μ F/25V
■	C18	08S53332F51	CP.,	0.022 μ F	▲	C55	08S53332F47	CP.,	0.01 μ F
●	C19	23T43247F08	ELY.,	4.7 μ F/25V	■	C55	08S53332F47	CP.,	0.01 μ F
▲	C19	23T61512F25	ELY.,	1 μ F/50V	▲	C56	23T61513F31	ELY.,	2.2 μ F/50V
■	C19	23T43247F05	ELY.,	1 μ F/50V	■	C56	23T43247F05	ELY.,	1 μ F/50V
	C20	08T52714F21	CER.,	0.047 μ F	■	C57	08S40154T38	CER.,	120pF
	C21	08S53332F17	CP.,	33pF	●	C301	23T61512F08	ELY.,	10 μ F/16V
●	C22	23T61512F13	ELY.,	4.7 μ F/25V	▲	C301	23T61512F08	ELY.,	10 μ F/16V
▲	C22	23T61512F13	ELY.,	4.7 μ F/25V	■	C301	23T61513F11	ELY.,	10 μ F/16V
■	C22	23T43247F08	ELY.,	4.7 μ F/25V	●	C303	23T61512F08	ELY.,	10 μ F/16V
	C23	08S53332F47	CP.,	0.01 μ F	▲	C303	23T61512F08	ELY.,	10 μ F/16V
	C24	08S53332F47	CP.,	0.01 μ F	■	C303	23S61524F13	ELY.,	10 μ F/16V
	C25	23T61512F21	ELY.,	0.1 μ F/50V		C304	23T61512F09	ELY.,	22 μ F/16V
	C26	08S53332F17	CP.,	33pF	●	C305	23C44780P08	ELY.,	220 μ F/16V
●	C27	23T61513F16	ELY.,	4.7 μ F/25V	▲	C305	23T65374F06	ELY.,	220 μ F/16V
▲	C27	23T61512F13	ELY.,	4.7 μ F/25V	■	C305	23C44780P08	ELY.,	220 μ F/16V
■	C27	23T61512F13	ELY.,	4.7 μ F/25V	●	C306	23T61512F08	ELY.,	10 μ F/16V
	C28	23T61513F10	ELY.,	100 μ F/10V	▲	C306	23T61512F08	ELY.,	10 μ F/16V
	C29	08S53332F23	CP.,	100pF	■	C306	23T61513F11	ELY.,	10 μ F/16V
	C30	08S53332F38	CP.,	1800pF	●	C307	23T61512F08	ELY.,	10 μ F/16V
	C31	23T61512F13	ELY.,	4.7 μ F/25V	▲	C307	23T61512F08	ELY.,	10 μ F/16V
●	C32	08S53332F46	CP.,	8200pF	■	C307	23S61524F13	ELY.,	10 μ F/16V
▲	C32	08S53332F41	CP.,	3300pF		C308	23T61512F09	ELY.,	22 μ F/16V
●	C33	08S53332F46	CP.,	8200pF	●	C309	08S53332F55	CP.,	0.047 μ F
▲	C33	08S53332F41	CP.,	3300pF	▲	C309	08S53332F55	CP.,	0.047 μ F
	C34	23T61512F25	ELY.,	1 μ F/50V	■	C309	08S53332F53	CP.,	0.033 μ F

Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
● C310	08S53332F55	CP., 0.047 μ F			■ C629	23S41059P35	TAN., 33 μ F/10V		
▲ C310	08S53332F55	CP., 0.047 μ F			C630	08S53332F47	CP., 0.01 μ F		
■ C310	08S53332F53	CP., 0.033 μ F			● C631	23S57007F11	ELY., 22 μ F/16V		
● C311	23S61524F13	ELY., 10 μ F/16V			▲ C631	23T61512F09	ELY., 22 μ F/16V		
▲ C311	23S61524F13	ELY., 10 μ F/16V			■ C631	23T61513F11	ELY., 10 μ F/16V		
■ C311	08S53332F35	CP., 1000pF			■ C632	23S57007F11	ELY., 22 μ F/16V		
■ C312	08S53332F35	CP., 1000pF			■ C633	23T43707U04	ELY., 220 μ F/10V		
■ C313	23S61524F13	ELY., 10 μ F/16V			C801	23T65374F06	ELY., 220 μ F/16V		
● C601	08S53332F43	CP., 4700pF			C802	23S61523F11	ELY., 47 μ F/10V		
▲ C601	08S53332F43	CP., 4700pF			C803	23T65374F02	ELY., 220 μ F/10V		
● C603	23T61512F08	ELY., 10 μ F/16V			C804	23T61512F09	ELY., 22 μ F/16V		
▲ C603	23T61512F08	ELY., 10 μ F/16V			C805	23C42170G36	ELY., 1000 μ F/16V		
■ C603	23T61513F11	ELY., 10 μ F/16V			C806	23T65374F06	ELY., 220 μ F/16V		
C604	23T41366F42	ELY., 3.3 μ F/50V (B.P.)			Resistors (All resistors are chip 1/8W \pm 5% unless otherwise noted.)				
● C605	23T61512F08	ELY., 10 μ F/16V			R3	06S53330F79	12K ohm		
▲ C605	23T61512F08	ELY., 10 μ F/16V			R4	06S53330F13	22 ohm		
■ C605	23T61512F23	ELY., 0.33 μ F/50V			R5	06S53330F89	33K ohm		
■ C606	08T57851F21	TF., 0.47 μ F			R6	06S53330F85	22K ohm		
■ C607	08S53332F55	CP., 0.047 μ F			R7	06S53330F69	4.7K ohm		
C608	23T82372F19	ELY., 2.2 μ F/50V (B.P.)			● R8	06S53330F64	3K ohm		
C609	08S53332F47	CP., 0.01 μ F			▲ R8	06S53330F60	2K ohm		
C610	23T61513F10	ELY., 100 μ F/10V			■ R8	06S53330F77	10K ohm		
C611	08S53332F47	CP., 0.01 μ F			R9	06S53330F89	33K ohm		
■ C612	23T43247F09	ELY., 10 μ F/16V			R10	06S53330F53	1K ohm		
C614	23T61513F09	ELY., 47 μ F/10V			R11	06S53330F53	1K ohm		
● C615	23S61523F11	ELY., 47 μ F/10V			R12	06S53330F05	10 ohm		
▲ C615	23T61513F09	ELY., 47 μ F/10V			■ R13	06S53330F29	100 ohm		
■ C615	23T61513F09	ELY., 47 μ F/10V			■ R14	06S53331F06	150K ohm		
C616	08S53332F15	CP., 22pF			■ R15	06S53330F21	47 ohm		
C617	08S53332F15	CP., 22pF			● R16	06S53330F69	4.7K ohm		
■ C618	23S40657F16	ELY., 4.7 μ F/25V			■ R16	06S53330F65	3.3K ohm		
● C619	23S57007F08	ELY., 4.7 μ F/25V			R23	06S53330F79	12K ohm		
▲ C619	23S40657F16	ELY., 4.7 μ F/25V			● R24	06S53330F85	22K ohm		
● C620	23S57007F08	ELY., 4.7 μ F/25V			▲ R24	06S53330F79	12K ohm		
▲ C620	23S40657F16	ELY., 4.7 μ F/25V			■ R24	06S53330F79	12K ohm		
● C621	08T57705F79	MYL., 0.1 μ F			R26	06S53330F41	330 ohm		
▲ C621	08T57705F79	MYL., 0.1 μ F			● R27	06S53330F77	10K ohm		
■ C621	23T61513F09	ELY., 47 μ F/10V			▲ R27	06S53330F89	33K ohm		
● C622	08T57705F79	MYL., 0.1 μ F			■ R27	06S53330F89	33K ohm		
▲ C622	08T57705F79	MYL., 0.1 μ F			● R28	06S53330F93	47K ohm		
● C624	23T61512F09	ELY., 22 μ F/16V			▲ R28	06S53330F91	39K ohm		
▲ C624	23T61512F09	ELY., 22 μ F/16V			■ R28	06S53330F91	39K ohm		
● C625	23T43247F08	ELY., 4.7 μ F/25V			R29	06S53330F79	12K ohm		
▲ C625	23T61512F13	ELY., 4.7 μ F/25V			● R30	06S53330F75	8.2K ohm		
■ C625	23S40657F16	ELY., 4.7 μ F/25V							
● C626	23T61512F13	ELY., 4.7 μ F/25V							
▲ C626	23T61512F13	ELY., 4.7 μ F/25V							
■ C626	23T43247F08	ELY., 4.7 μ F/25V							
■ C627	23T61512F13	ELY., 4.7 μ F/25V							
■ C628	23S40657F16	ELY., 4.7 μ F/25V							

Notes: ●: For 1341 model only, ▲: For 1341E model only,
■: For 1341M model only, Others: Common

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
▲ R30	06S53330F83	18K ohm			R320	06S53330F53	1K ohm		
■ R30	06S53330F81	15K ohm			R401	06S53330F24	62 ohm		
R31	06S53330F93	47K ohm			R402	06T70072F31	120 ohm 1/4W		
R32	06S53330F93	47K ohm			R403	06T70072F31	120 ohm 1/4W		
R33	06S53330F05	10 ohm			R404	06T70072F31	120 ohm 1/4W		
R34	06S53330F65	3.3K ohm			R405	06T70072F31	120 ohm 1/4W		
R35	06S53330F84	20K ohm			R406	06T70072F41	330 ohm 1/4W		
R36	06S53330F70	5.1K ohm			R408	06T70072F09	15 ohm 1/4W		
R37	06S53330F71	5.6K ohm			R409	06T70072F09	15 ohm 1/4W		
R38	06S53330F85	22K ohm			● R601	06S53330F85	22K ohm		
R39	06S53330F65	3.3K ohm			▲ R601	06S53330F85	22K ohm		
R40	06S53330F65	3.3K ohm			■ R601	06S53330F69	4.7K ohm		
R41	06S53330F71	5.6K ohm			● R603	06S53331F02	100K ohm		
■ R42	06S53330F71	5.6K ohm			▲ R603	06S53331F02	100K ohm		
● R45	06S53330F77	10K ohm			R605	06S53330F85	22K ohm		
▲ R45	06S53330F79	12K ohm			R607	06S53330F83	18K ohm		
■ R45	06S53330F79	12K ohm			R608	06S53330F37	220 ohm		
▲ R46	06S53331F02	100K ohm			● R610	06S53330F89	33K ohm		
■ R46	06S53331F02	100K ohm			▲ R610	06S53330F89	33K ohm		
■ R47	06S53330F77	10K ohm			■ R611	06S53330F71	5.6K ohm		
● R48	06S53330F75	8.2K ohm			■ R612	06S53330F47	560 ohm		
▲ R48	06S53330F77	10K ohm			■ R616	06S53330F05	10 ohm		
R52	06S53330F77	10K ohm			■ R617	06S53330F65	3.3K ohm		
R53	06S53330F77	10K ohm			● R618	06S53330F29	100 ohm		
R301	06S53330F97	68K ohm			▲ R618	06S53330F05	10 ohm		
R302	06S53330F37	220 ohm			■ R618	06S53330F05	10 ohm		
● R303	06S53330F84	20K ohm			● R619	06S53330F67	3.9K ohm		
▲ R303	06S53330F85	22K ohm			▲ R619	06S53330F53	1K ohm		
■ R303	06S53330F85	22K ohm			■ R619	06S53330F53	1K ohm		
R304	06S53330F29	100 ohm			R620	06S53331F26	1M ohm		
R305	06S53330F85	22K ohm			R621	06S53330F53	1K ohm		
R306	06S53330F69	4.7K ohm			● R622	06S53330F79	12K ohm		
● R308	06S53330F63	2.7K ohm			▲ R622	06S53330F63	2.7K ohm		
▲ R308	06S53330F61	2.2K ohm			■ R622	06S53330F63	2.7K ohm		
■ R308	06S53330F70	5.1K ohm			● R623	06S53330F69	4.7K ohm		
R309	06S53330F89	33K ohm			▲ R623	06S53330F61	2.2K ohm		
R310	06S53331F02	100K ohm			■ R623	06S53330F61	2.2K ohm		
R311	06S53330F97	68K ohm			● R624	06S53330F69	4.7K ohm		
R312	06S53330F89	33K ohm			▲ R624	06S53330F65	3.3K ohm		
R313	06S53331F02	100K ohm			■ R624	06S53330F65	3.3K ohm		
R314	06S53330F37	220 ohm			R625	06S53330F53	1K ohm		
R315	06S53330F29	100 ohm			● R626	06S53330F77	10K ohm		
R316	06S53330F69	4.7K ohm			▲ R626	06S53330F77	10K ohm		
R317	06S53330F85	22K ohm			■ R626	06S53330F65	3.3K ohm		
● R318	06S53330F84	20K ohm			R627	06S53330F61	2.2K ohm		
▲ R318	06S53330F85	22K ohm			■ R628	06S53330F77	10K ohm		
■ R318	06S53330F85	22K ohm			R629	06T70072F53	1K ohm 1/4W		
● R319	06S53330F63	2.7K ohm			R630	06S53330F99	82K ohm		
▲ R319	06S53330F61	2.2K ohm			● R631	06S53330F77	10K ohm		
■ R319	06S53330F70	5.1K ohm			▲ R631	06S53330F77	10K ohm		

Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

Symbol No.	Part No.	Description		
■ R631	06S53330F89	33K ohm		
● R632	06S53330F77	10K ohm		
▲ R632	06S53330F77	10K ohm		
● R633	06S53330F93	47K ohm		
▲ R633	06S53330F93	47K ohm		
● R634	06S53330F93	47K ohm		
▲ R634	06S53330F93	47K ohm		
● R635	06S53330F61	2.2K ohm		
▲ R635	06S53330F61	2.2K ohm		
■ R635	06S53330F99	82K ohm		
● R636	06S53330F61	2.2K ohm		
▲ R636	06S53330F61	2.2K ohm		
■ R636	06S53330F63	2.7K ohm		
● R637	06S53330F69	4.7K ohm		
▲ R637	06S53330F69	4.7K ohm		
■ R637	06S53330F85	22K ohm		
● R638	06S53330F69	4.7K ohm		
▲ R638	06S53330F69	4.7K ohm		
■ R638	06S53330F53	1K ohm		
■ R639	06S53330F69	4.7K ohm		
● R640	06S53330F85	22K ohm		
▲ R640	06S53330F85	22K ohm		
■ R640	06S53331F26	1M ohm		
● R641	06S53330F77	10K ohm		
▲ R641	06S53330F77	10K ohm		
■ R641	06S53330F97	68K ohm		
■ R642	06S53330F77	10K ohm		
■ R643	06S53330F77	10K ohm		
■ R644	06S53330F99	82K ohm		
■ R645	06S53331F02	100K ohm		
■ R646	06S53331F02	100K ohm		
■ R647	06S53330F77	10K ohm		
■ R648	06T70072F53	1K ohm 1/4W		
● R651	06S53330F97	68K ohm		
▲ R651	06S53330F95	56K ohm		
■ R651	06S53330F95	56K ohm		
R652	06S53330F77	10K ohm		
R654	06S53331F02	100K ohm		
R655	06S53330F99	82K ohm		
■ R656	06S53330F93	47K ohm		
R802	06S53330F77	10K ohm		
R804	06S53330F93	47K ohm		
R805	06S53330F61	2.2K ohm		
R806	06T67581F28	480 ohm 1/2W		
VR1	18T74439F21	Variable 220K		
VR2	18T74439F21	Variable 220K		
● VR3	18T74439F14	Variable 15K		
▲ VR3	18T74439F14	Variable 15K		
■ VR3	18T74439F17	Variable 47K ohm		
VR4	18T74339F18	Variable 68K		

Symbol No.	Part No.	Description		
VR5	18T74439F09	Variable 2.2K		
Display P. C. Board				
LED's				
LD401	48T51833F03	BG4524K (GRN)		
LD402	48T51833F03	BG4524K (GRN)		
LD403	48T51833F03	BG4524K (GRN)		
LD404	48T51833F03	BG4524K (GRN)		
● LD405	48T51833F04	AA4524K (ORG)		
▲ LD405	48T51833F04	AA4524K (ORG)		
Switches				
S401	40T70366F01	TACT KHL-10906 (SEEK)		
S402	40T70366F01	TACT KHL-10906 (MS)		
S403	40T70366F01	TACT KHL-10906 (MI)		
S404	40T70366F01	TACT KHL-10906 (LOUD)		
S405	40T70366F01	TACT KHL-10906 (UP)		
S406	40T70366F01	TACT KHL-10906 (M6)		
S407	40T70366F01	TACT KHL-10906 (M2)		
S408	40T70366F01	TACT KHL-10906 (DX)		
S409	40T70366F01	TACT KHL-10906 (DN)		
S410	40T70366F01	TACT KHL-10906 (CLK)		
S411	40T70366F01	TACT KHL-10906 (M3)		
S412	40T70366F01	TACT KHL-10906 (ST)		
S413	40T70366F01	TACT KHL-10906 (POWER)		
S414	40T70366F01	TACT KHL-10906 (ME)		
S415	40T70366F01	TACT KHL-10906 (M4)		
S416	40T70366F01	TACT KHL-10906 (BAND)		

Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
Lamps									
	PL401	65T67467F03	PILOT 6V-32mA						
	PL402	65T67467F03	PILOT 6V-32mA						
	PL403	65T67467F03	PILOT 6V-32mA						
	PL404	65T67467F03	PILOT 6V-32mA						
	PL405	65T81729F02	PILOT 12V-50mA						
	PL406	65T81729F02	PILOT 12V-50mA						
Miscellaneous									
	C810	08T68871F02	CAP., Through 2pF						
	E901	09T60990F07	Antenna Receptacle						
●	E902	01T73451F02	Power Antenna Lead (with 1A Fuse)						
▲	E902	01T73451F02	Power Antenna Lead (with 1A Fuse)						
■	E902	01T73451F03	CD Play Remote/ Power Antenna Lead (with 1A Fuse)						
	E903	01T82659F01	Ignition ACC Power Supply/Battely Lead (with 3A Fuse)						
	E904	01T72388F04	Output DIN Connector						
●	LCD401	65T82833F01	LCD, LU1306						
▲	LCD401	65T82833F01	LCD, LU1306						
■	LCD401	65T83083F01	LCD, LU1305						

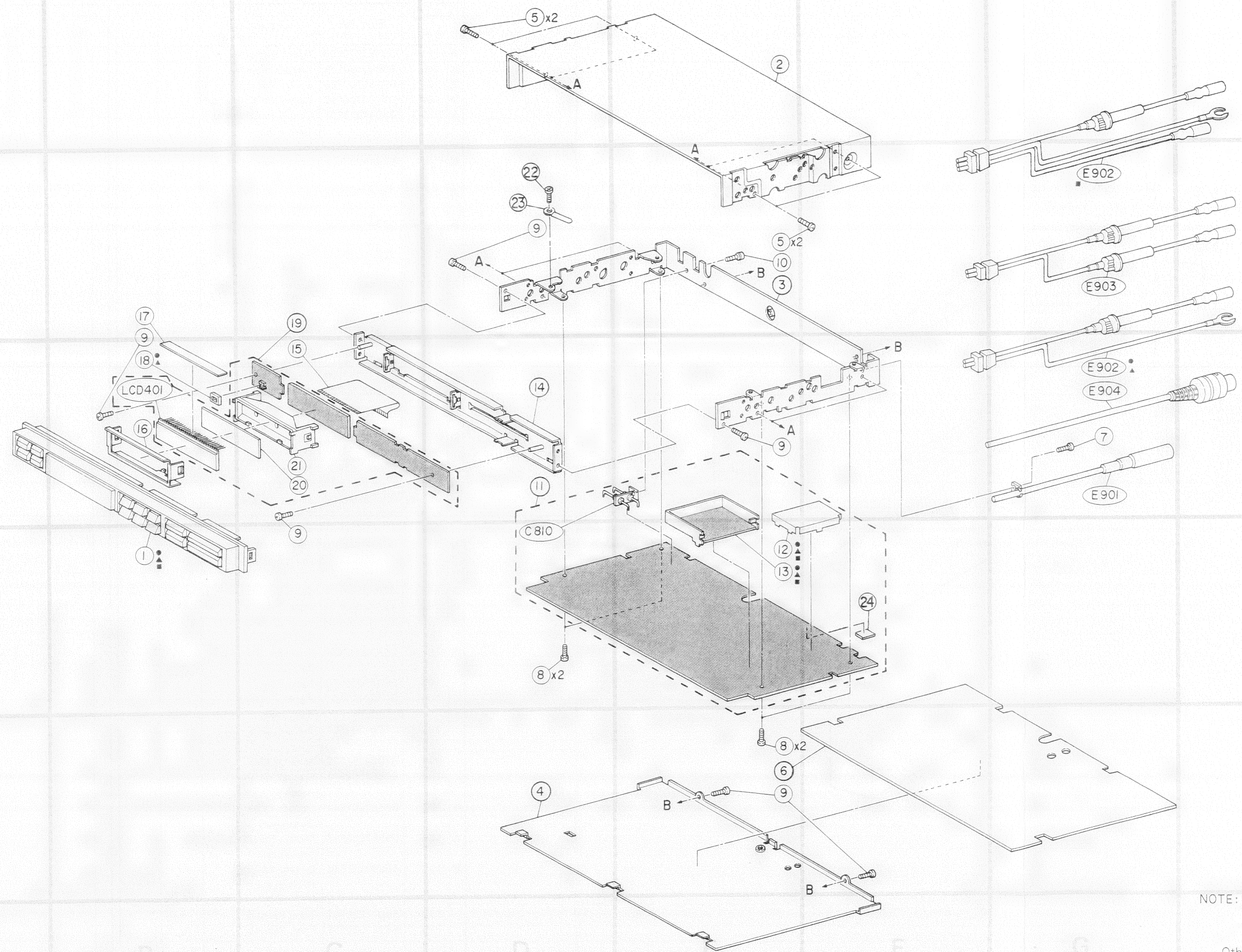
Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

Cabinet Assembly Parts List

Symbol No.	Index	Part No.	Description			Symbol No.	Index	Part No.	Description		
●	1	4-B	13D73278F02	Assy., Nosepiece							
▲	1	4-B	13D73278F03	Assy., Nosepiece							
■	1	4-B	13D73278F04	Assy., Nosepiece							
	2	1-E	15C80653F03	Cover, Top							
	5		03S44205G34	Screw, Pan (M2.6 x 5)							
	7	3-G	03S44205G43	Screw, Bind (M2.6 x 4)							
	8		03S44205G48	Screw, Pan (M2.6 x 5)							
	9		03S44205G30	Screw, Pan (M2.6 x 4)							
	10	2-E	03D40014G06	Screw, W/Washer (M2.6 x 5)							
●	12	4-E	77T81791F01	Tuner, FM TFFE1U132B (FE1)							
▲	12	4-E	77T81791F01	Tuner, FM TFFE1U132B (FE1)							
■	12	4-E	77T68726F03	Tuner, FM TFFE3U133A (FE1)							
●	13	4-E	77T74165F03	Tuner, AM TFAD6M112A (FE101)							
▲	13	4-E	77T74165F03	Tuner, AM TFAD6M112A (FE101)							
■	13	4-E	77T68552F02	Tuner, MW/LW TFAD6L112A (FE101)							
	15	3-C	30T82834F01	Wire, Parallel 29P							
	16	3-B	07A84849F01	Bracket Shield							
	17	2-B	14S81482F23	Insulator, Cover							
●	18	3-B	15A80660F01	Cover, LED							
▲	18	3-B	15A80660F01	Cover, LED							
	20	3-C	26A83087F03	Reflector, Sheet							
	21	3-C	15B82808F01	Case, LCD							
	22	2-D	03S44205G07	Screw, Pan (M2.6x5)							
	23	2-D	29C41045P02	Lug Warp Around							
	24	4-F	14S53017F10	Insulator, Fiber							

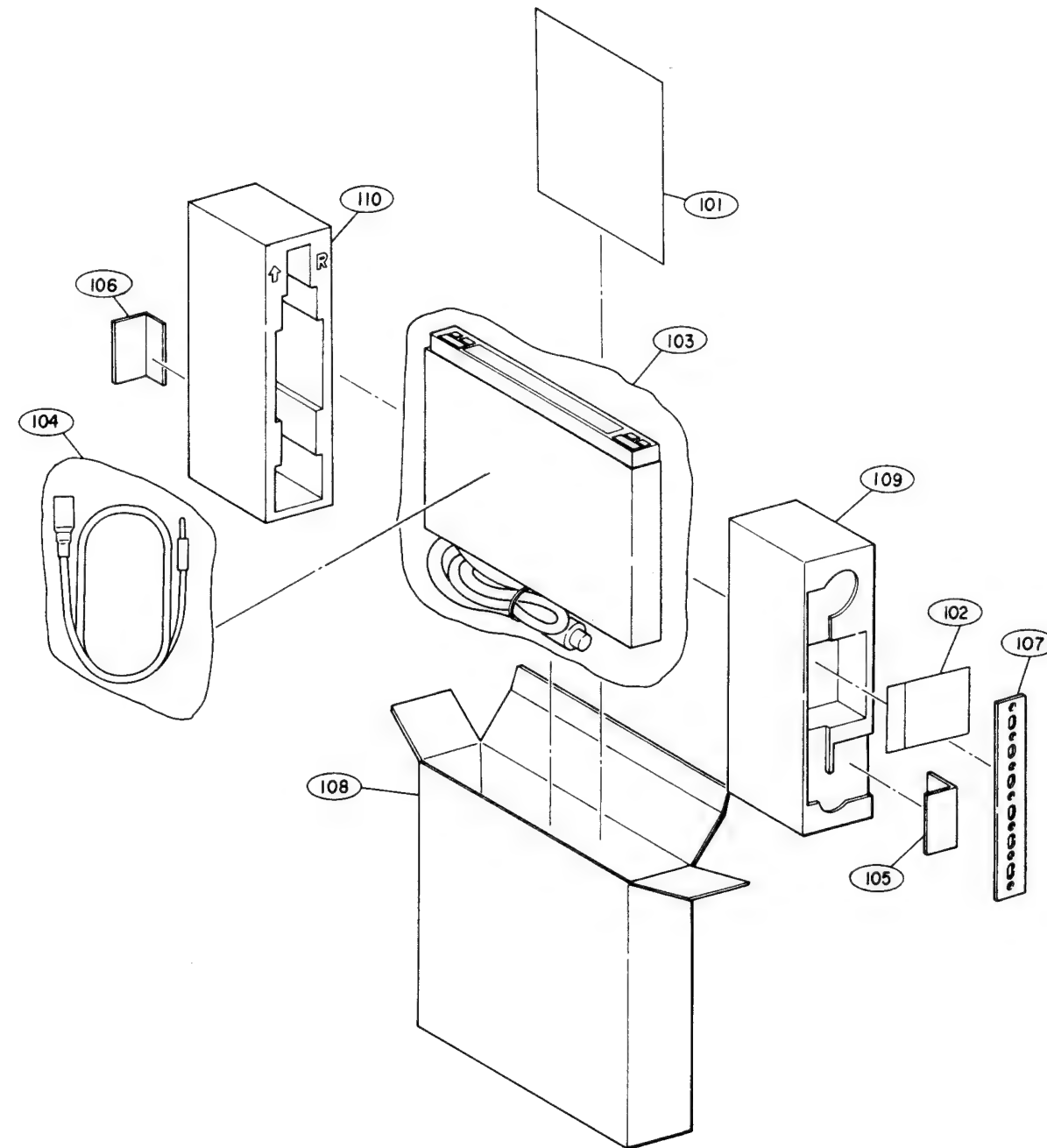
Notes : ● : For 1341 model only, ▲ : For 1341E model only, ■ : For 1341M model only, Others : Common
Notes : The parts without part numbers are not supplied.

Exploded View (Cabinet)



NOTE: ● : For 1341 model only
 ▲ : For 1341E model only
 ■ : For 1341M model only
 Others : Common

Packing Method View



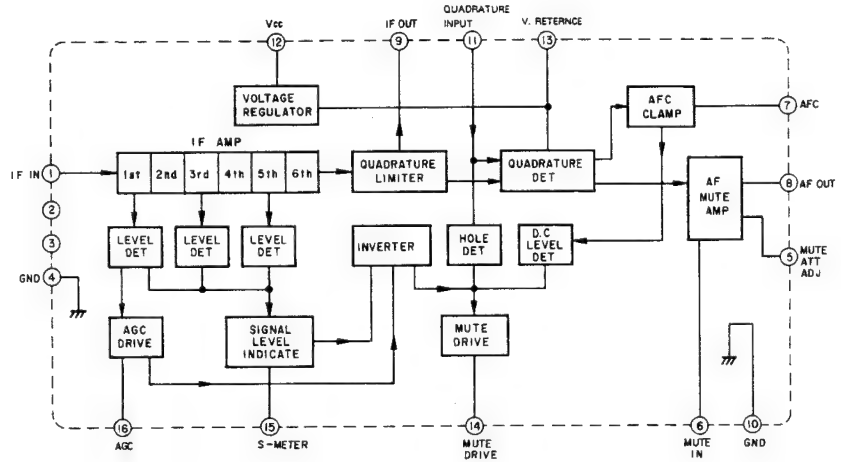
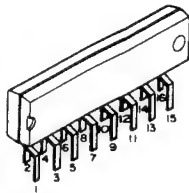
Packing Assembly Parts List

Symbol No.	Part No.	Description			Symbol No.	Part No.	Description		
●	101	01V83500F96	Assy., Pamphlet						
▲	101	68P80130F13	Owners, Manual						
■	101	68P81707F83	Owner's Manual						
●	102	01V83700F98	Assy., Kit Installation						
▲	102-1	03B44963F01	Screw, Hex Washer (M4 x 8)						
■	102-1	03B44963F01	Screw, Hex, Washer (M4x8)						
▲	102-2	03B44963F02	Screw, Hex Washer (M5 x 20)						
■	102-2	03B44963F02	Screw, Hex, Washer (M5x20)						
▲	102-3	03S44205G45	Screw, Countersink (M2.6 x 5)						
■	102-3	03S44205G45	Screw, Countersink (M2.6x5)						
▲	102-4	02B47353F01	Nut, Hex (M5)						
■	102-4	02B47353F01	Nut, Hex (M5)						
▲	102-5	07A62757F01	Bracket, Mounting						
■	102-5	07A62757F01	Bracket, Mounting						
▲	102-6	03S52360F37	Screw, Countersink (M4 x 8)						
■	102-6	03S52360F37	Screw, Countersink (M4x8)						
▲	102-7	03S63857F05	Screw, Tpg (M5 x 15)						
■	102-7	03S63857F05	Screw, Tapping						
▲	102-8	65A40328G03	Fuse, 1A (For Power Ant Line)						
■	102-8	65A40348G03	Fuse, 1A (For Power Ant Line)						
▲	102-9	46A42363F01	Stud, Bolt						
■	102-9	46A42363F01	Stud Bolt						
▲	102-10	65A40348G04	Fuse 3A (For ACC Batt Line)						
■	102-10	65A40348G04	Fuse 3A (For ACC Batt Line)						
	103	56B40990T22	Sack, Poly						
	104	01T55117F01	Assy., Antenna. Sub Cable						
	105	07B64551F01	Bracket, Side						
	106	07B64551F02	Bracket, Side						
	107	07B64552F01	Bracket, Strap Receiver						
●	108	56S80201F44	Carton, Packing. (Individual)						
▲	108	56S69254F92	Carton, Packing (Individual)						
■	108	56S80201F50	Carton, Packing (Individual)						
	109	56D71220F01	Tray, Packing						
	110	56D71220F02	Tray, Packing						

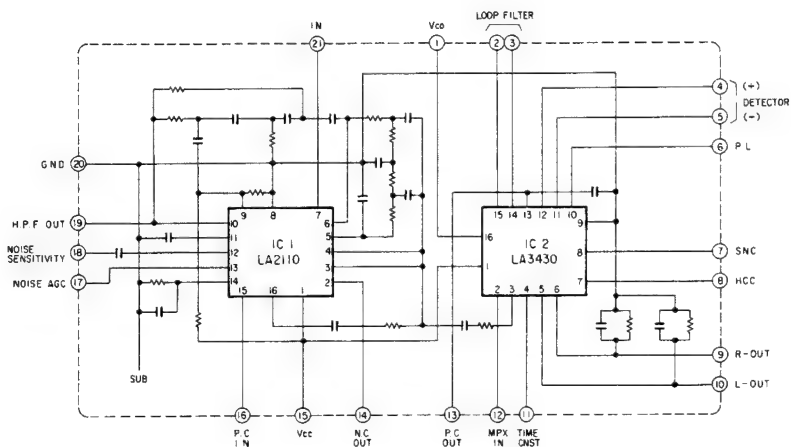
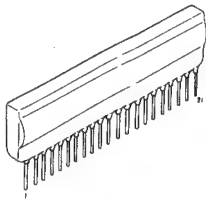
Notes : ● : For 1341 model only, ▲ : For 1341E model only, ■ : For 1341M model only, Others : Common
Notes : The parts without part numbers are not supplied.

Semi-Conductor Lead Identifications

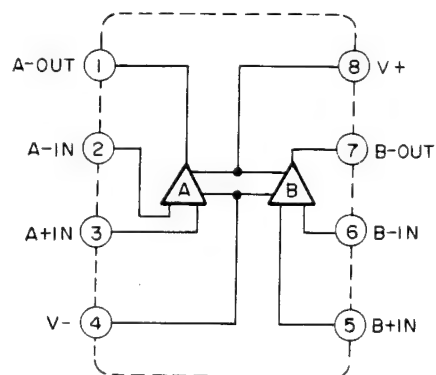
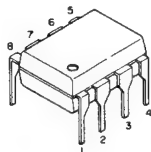
LA1140B : IC1 ●
LA1140 : IC1 ▲ ■



STK3402 : IC2

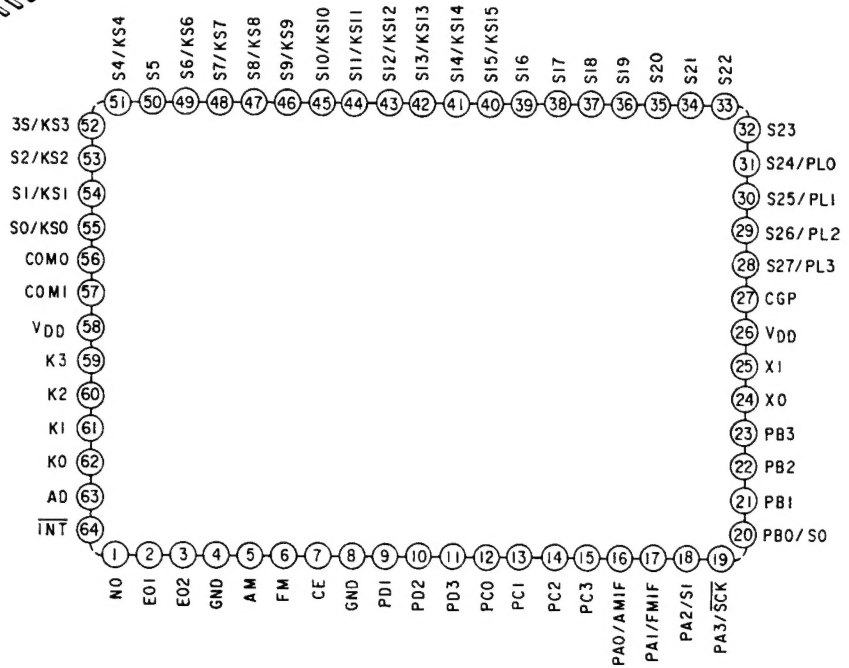
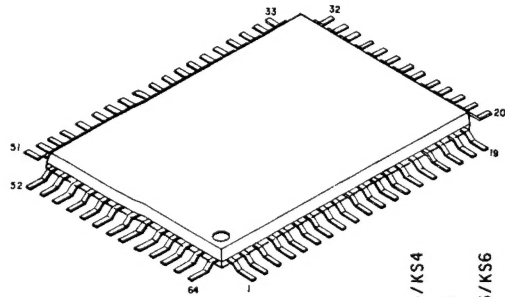


NJM4560D : IC301

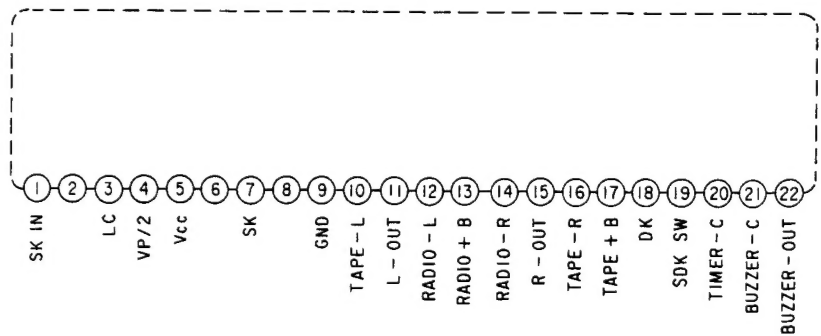
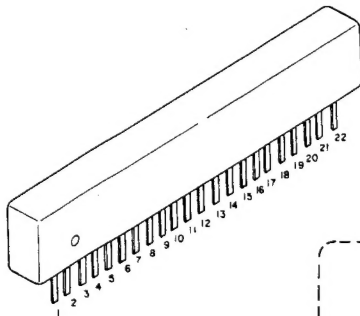


Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

81985F03 : IC601 ●▲
81985F04 : IC601

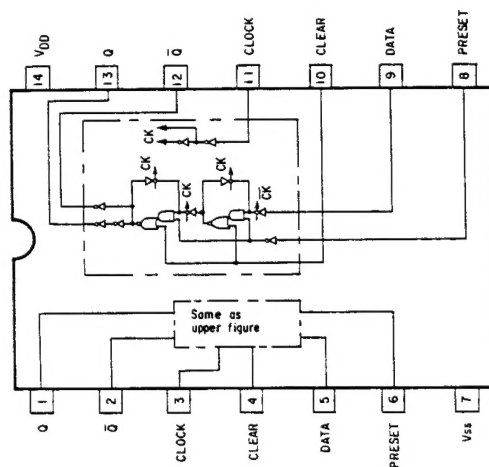
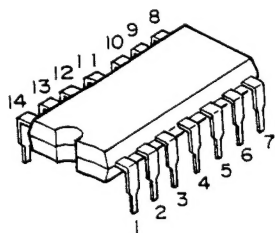


82664F01 : IC602 ■

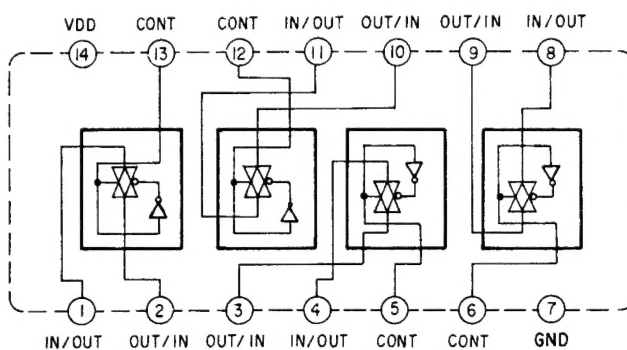
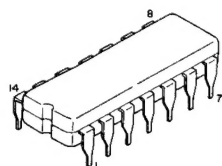


Notes: ●: For 1341 model only, ▲: For 1341E model only,
■: For 1341M model only, Others: Common

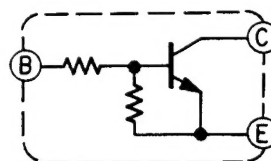
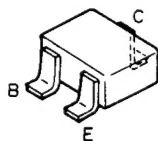
TC4013P : IC603 ●▲



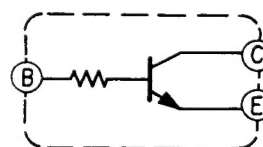
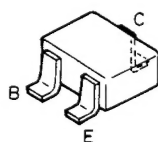
TC4066BP : IC604



DTC124K : } Q3, 626, 627
UN2212 : } Q602 ■, 616, 620 ■
Q621 ●▲

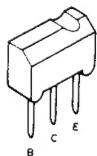


DTC114TK : } Q4, 5, 623 606 ■
UN2215 : }

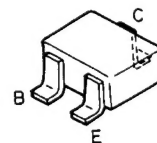


Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

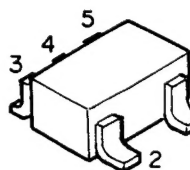
2SD1330 : Q301, 302
2SD661 : Q607, 608, 609 ■, 610 ■
2SD973A : Q605 ■, 612, 613



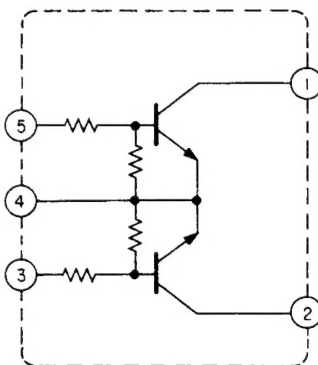
2SC2412K : Q603, 622
2SA1037K : Q604
2SC3142 : Q1 ■



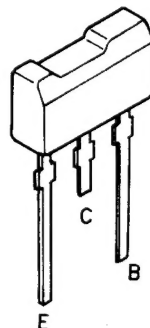
FMG2 : Q611 ■



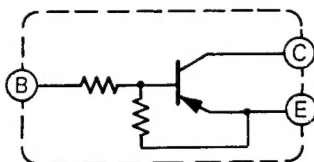
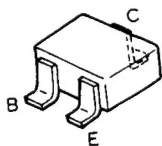
1. Collector
2. Collector
3. Base
4. Emitter
5. Bass



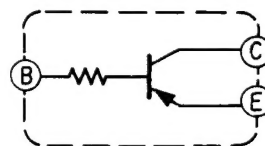
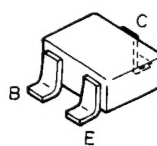
2SC4038 : Q617 ●▲, 618 ●▲,
Q803 ●■



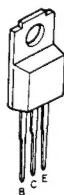
UN2111 : Q624, 625
DTA114 : Q624, 625



DTA114TK : Q615 ■
UN2115 : Q615 ■



2SB941 : Q801

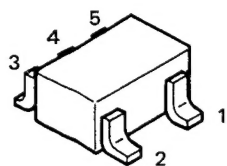


2SC1815 : Q601 ■, 802, 803 ▲



Notes : ● : For 1341 model only, ▲ : For 1341E model only,
■ : For 1341M model only, Others : Common

FMG4 : Q614



- 1. Collector
- 2. Collector
- 3. Base
- 4. Emitter
- 5. Base

